



ASE GROUP

2014

CORPORATE SUSTAINABILITY REPORT

The Advanced Semiconductor Engineering Group





ASE GROUP

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As a responsible corporate citizen, ASE has taken proactive measures to ensure the highest standards of professional and ethical business conduct. We believe that the sustainable development of our enterprise and the realization of its social responsibilities are vital to our long-term strategies and success.

In this report, we discuss our sustainability activities in 2014. Below are a few key highlights:



Water Recycling Plant

We invested about US\$25 million (NT\$750 million) to complete Phase 1 of water recycling plant K14. This is Taiwan's first water recycling plant capable of treating 20,000 metric tons of wastewater and producing at least 10,000 metric tons of purified recycled water daily.



Green Bond

In 2014, we issued Asia's first corporate green bond which was valued at US\$300 million and awarded Country Deals of the Year 2014 by Asiamoney. This demonstrates our commitment to low-carbon and climate resilient growth.



Green Building

As of December 2014, we had achieved Taiwan EEWH certification for 9 new and existing buildings (2 "Diamond-rated", 2 "Copper-rated", 5 "Qualified") as well as one "Platinum-rated" U.S. LEED certification.



Environmental Conservation Fund

Started from 2014, we would contribute a total amount of US\$95 million (NT\$ 3 billion) to support environmental conservation programs including environmental education promotion program, environmental quality enhancement program, environmental impact minimization program, and environmental charity sponsorship program for the next 30 years.



Water Resource Management

In 2014, we achieved a 7.5% reduction in the total water withdrawal compared to 2013, while increasing our production capacity as well as incorporating new plants. This is a significant milestone of our water resource management.

ABOUT OUR REPORTING

This is our 6th CSR Report, which was compiled in accordance with the core option of the GRI G4 Sustainability Reporting Guideline. Our Corporate CSR Center is in charge of data compiling and editing. The G4 framework content and a cross-reference table of GRI indicators can be found at the end of this report. This report is available in both Chinese and English. The complete electronic version can be downloaded from our website, www.aseglobal.com.

**If you have any comments or suggestions, please contact us at: Corporate CSR Center, The Advanced Semiconductor Engineering Group
Address: No.26, Chin 3rd Rd., N.E.P.Z., Nantze, Kaohsiung, Taiwan
Tel: +886-7-361-7131
Email: ASE_CSR@aseglobal.com**

Scope of the Report

This report encompasses our Corporate Social Responsibility activities for the year of 2014 in our semiconductor packaging, testing and materials (ATM) facilities and electronic manufacturing services (EMS) facilities. Any scope adjustment of the data will be separately explained in the text of the Report. Financial figures in this report are expressed in US dollars unless otherwise specified.

Internal Review and Approval

The disclosed information and data in the report were initially verified by the relevant managers of the data/information providers. The initial draft was compiled by the Corporate CSR Center. After reviewed by the Corporate Legal and Finance Departments, the final report was approved and authorized for issue by the Chief Operating Officer.

External Assurance

ASE engaged Deloitte to perform an independent limited assurance in accordance with ISAE 3000 standard on this Report. The independent assurance statement can be found at the end of this report.

Other CSR Reports in ASE Group

Under ASE Group, we also publish two separate CSR reports. One provides more detailed sustainability information of our Kaohsiung facilities in Taiwan and the other focuses on the information about our subsidiary "USI" (Universal Scientific Industrial Co., Ltd) electronic manufacturing services facilities.



ASE Kaohsiung CSR Report



USI CSR Report




 ASE Kaohsiung
 ASE Chungli
 ASE Nantou

ASE Cultural
 & Educational
 Foundation
 ASE Charitable
 Foundation


 ISE Labs


 ASE Japan
 ASE Korea
 ASE Singapore
 ASE Malaysia


 ASE GROUP

ASE Kunshan
 ASE Shanghai(A&T)
 ASE Shanghai(Material)
 ASE Suzhou(ASEN)
 ASE Weihai
 ASE Wuxi(Tongzhi)

Universal Scientific
 Industrial(USI)

 Zhangjiang Shenzhen
 Jinqiao Taiwan
 Kunshan Mexico

OUR VISION

Letter from the Chairman



Jason C.S. Chang
Chairman and CEO

2014 marked the 30th anniversary of the ASE Group and was the year where the company's history was slightly blighted by a brief lapse in our operating procedures on wastewater management at one of ASE's manufacturing plants in Kaohsiung, Taiwan, in December 2013. In hindsight, the crisis turned out to be an opportunity for ASE to further strengthen its internal infrastructures and policies in the management of environmental issues including wastewater discharge processes. At the same time, the company also managed to provide better disclosure and transparency in addressing corporate social responsibilities to the stakeholders. Adhering to the Chinese axiom of "one shall rise from the place where one fell", we humbly accepted responsibility and united together to resolve the challenges and move forward into the future. Our responses and actions demonstrate the true spirit of ASE.

The global semiconductor assembly and test industry benefited from the rise in the demand of communications chips and consumer electronics to record another year of growth in 2014. 2014 was also another record breaking year for

the ASE Group as it registered net revenues of NTD256,600 million, an increase of 16.7% year on year, and net income of NTD24,200 million, an increase of 50% year on year. ASE's assembly and test operations recorded net revenues of NTD159,700 million, an increase of 11.4% year on year, and the electronic manufacturing systems operations recorded net revenues of NTD105,900 million, an increase of 34.8% year on year.

Our industry is moving rapidly towards a digitally connected world and the era of the Internet of Things (IoT). In order to serve our customers and anticipate market needs, ASE developed a strategic eco-system by entering into partnerships with key industry players to research, develop and offer value-added services in IC assembly, test and system level manufacturing. Our world is also increasingly faced with the challenges of climate change, risks of environmental damage and resource limits. In 2014, the company embarked on a series of sustainability programs to build cleaner factories and green manufacturing. In the same year, ASE issued a US\$300 million green bond that will be used to fund green buildings



and sustainability projects such as the construction of green factories and offices, wastewater recycling plant, wastewater monitoring and energy conservation. ASE also committed to a NTD100 million per year funding to protect Taiwan's environment in the next 30 years.

To further embed corporate sustainability into ASE's corporate culture, we created a "Corporate Sustainability Committee" comprising of members from ASE's highest level of governance – the Board of Directors. We also established at the Group level, the "Corporate CSR Center" as the core agency directing efforts towards corporate risk mitigation and management, and strengthening the quality of sustainability disclosures. Within the last 12 months, ASE has shown remarkable improvement in its management of wastewater discharge and recycling, reduction of its carbon footprint and continues to beef up efforts in various areas such as green building and infrastructures. In today's world, a corporation can be equally successful by including sustainability to drive innovation, cost control and stakeholder engagement in the long run.

ASE has built up a solid foundation over the last 30 years and the company had enjoyed the great support and trust from its employees and customers, as well as from the direct supervision and guidance of the community and governing authorities. We aim to continue our leadership by providing value in our services and at the same time, caring for the environment through our corporate sustainability culture. In 2015, ASE will operate Taiwan's largest wastewater recycling facility at our Kaohsiung campus. When fully operational, the facility is capable of recycling up to 90% of the water used at all of ASE's plants in Kaohsiung. Together with ASE Chungli's facility, which is capable of recycling up to 80% of its water, ASE becomes the leader on industrial wastewater recycling within the assembly and test industry. We are also raising the standards on green building by transforming both ASE Kaohsiung and Chungli campuses into world class green manufacturing facilities. Our aim is to not only provide clean and green environments that will reduce harm to the earth, but also to provide a healthy, safe

and comfortable working environment for our employees and for the local community. I would like to take this opportunity to sincerely thank all our employees for their hard work, and our investors and customers for their continued trust and support. I am also grateful to the various agencies who had provided their professional advice and guidance to ASE in the past year.

Jason C.S. Chang
Chairman and CEO

Richard H.P. Chang
Vice Chairman and President



Richard H.P. Chang
Vice Chairman and President

Our Commitment to Corporate Responsibility

Upholding the core value of self-motivation, trust, integrity, and self-awareness, ASE aims to pursue a sustainable growth over time by a strategic approach which is based on not only the perspectives of cost control, integrated risk management, and advanced technology, but also responsible use of natural, social and human capitals, and assimilating our enterprise into the landscape from which we draw so much, and rely upon.

To seize the growth opportunity and make a positive impact on our sector, business, stakeholders and society at large, ASE is committed to the following:

- (1) Maintaining sound corporate governance, and continuously practicing ethics in all areas of our business, and complying with all laws and applicable regulations where we operate.
- (2) Improving our eco-efficiency and protecting the environment by continuously reducing

resources utilization, greenhouse gas emissions, waste generation, wastewater effluent and chemical usage.

- (3) Providing employees with a safe, healthy, and stimulating work environment. Ensuring diversity in our workforce and protecting the human rights.
- (4) Partnering with our suppliers to ensure that working conditions in ASE's supply chain are safe, that workers are treated with respect and dignity, and that business operations are environmentally responsible and conducted ethically.
- (5) Devoting ourselves to the community through strategic charity, educational programs and social work which optimize resource allocation and maximize positive social impacts.
- (6) Conducting effective and strategic stakeholder engagement and communication while emphasizing on transparent and balanced information disclosure.

Managing Corporate Social Responsibility

Through ASE Group's Corporate Sustainability and Citizenship Policy, we are further developing our Sustainability Guidance. The Sustainability Guidance will introduce ASE's focused issues and rules/procedures of dealing with material sustainability topics, including corporate governance, environmental sustainability, human capital, supply chain, corporate citizenship, and disclosure and stakeholder engagement. In 2014, to better carry out sustainability efforts corresponding to the Sustainability Guidance and fulfill our commitments, we planned to establish a Corporate Sustainability Committee (CSC) which is chaired by the Chief Operating Officer and comprised of ASE's top management executives. The CSC is starting to operate in 2015. The CSC has the responsibility for overseeing corporate-wide sustainability vision, policies, targets, strategies, and performance, monitoring risks and opportunities relating to sustainability issues, making decisions, and reporting to the Board directly.

The CSC is fully supported by the corporate sustainability teams in which representatives from all of our corporate responsibility related business segments are brought together. The sustainability teams are designated correspondingly to the Sustainability Guidance, including Governance Team, Environment Team, Supply Chain Team, Employee Care and Development Team, and Social Involvement Team. The functions of the sustainability teams are to effectively develop and promote execution of action plans for sustainability issues, reinforce internal collaboration across

global sites, set targets for continuous improvement, and report to the CSC. The Corporate CSR Center is dedicated to serving as the secretariat of the CSC, assessing group-wide sustainability issues and performances, coordinating and facilitating the sustainability teams for the implementation of group-wide CSR initiatives, and improving the quality of information disclosure of ASE's sustainability performances. Our global manufacturing sites follow the Policy, the Guidance and the CSC's decisions to manage sustainability issues and carry out follow-up actions in daily operation.



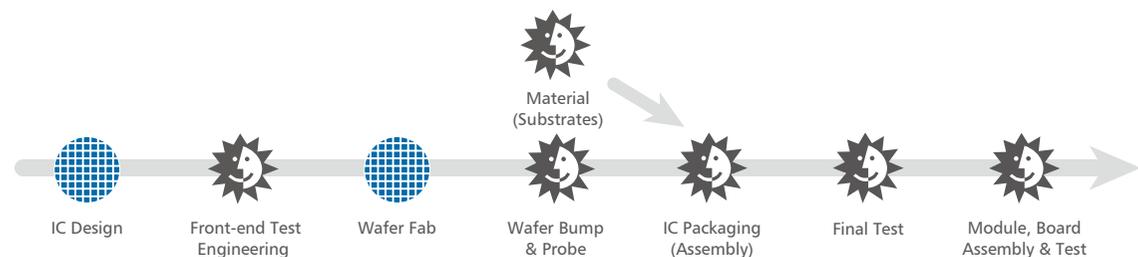
ABOUT OUR COMPANY

Founded on March, 1984 and headquartered in Kaohsiung, Taiwan, ASE is the world's largest independent provider of semiconductor packaging and testing services. Our services include semiconductor packaging, production of interconnect materials, front-end engineering testing, wafer probing and final testing services, as well as integrated solutions for electronics manufacturing services in relation to computers, peripherals, communications, industrial, automotive, and storage and server applications. Our common shares have been listed on the Taiwan Stock Exchange (TWSE*) under the symbol "2311", and American Depositary Shares (ADSs) representing our common shares have been listed on the New York Stock Exchange under the symbol "ASX". Our subsidiary, Universal Scientific Industrial (Shanghai) Co., Ltd, has been listed on the Shanghai Stock Exchange under the symbol "601231".

Company Profile ASE Product Value Chain

The scope and depth of ASE's manufacturing value chain enables the company to provide complete semiconductor turnkey solutions. Services from front-end engineering test, wafer probing, package design, substrate design and manufacturing, packaging & test, module, board assembly & test and distribution are fully integrated onto a single supply chain.

With ASE's total turnkey solutions, customers benefit from our "parallel manufacturing" – a process whereby some stages of the manufacturing can be simultaneously performed, thereby shortening cycle time and creating better production yields.



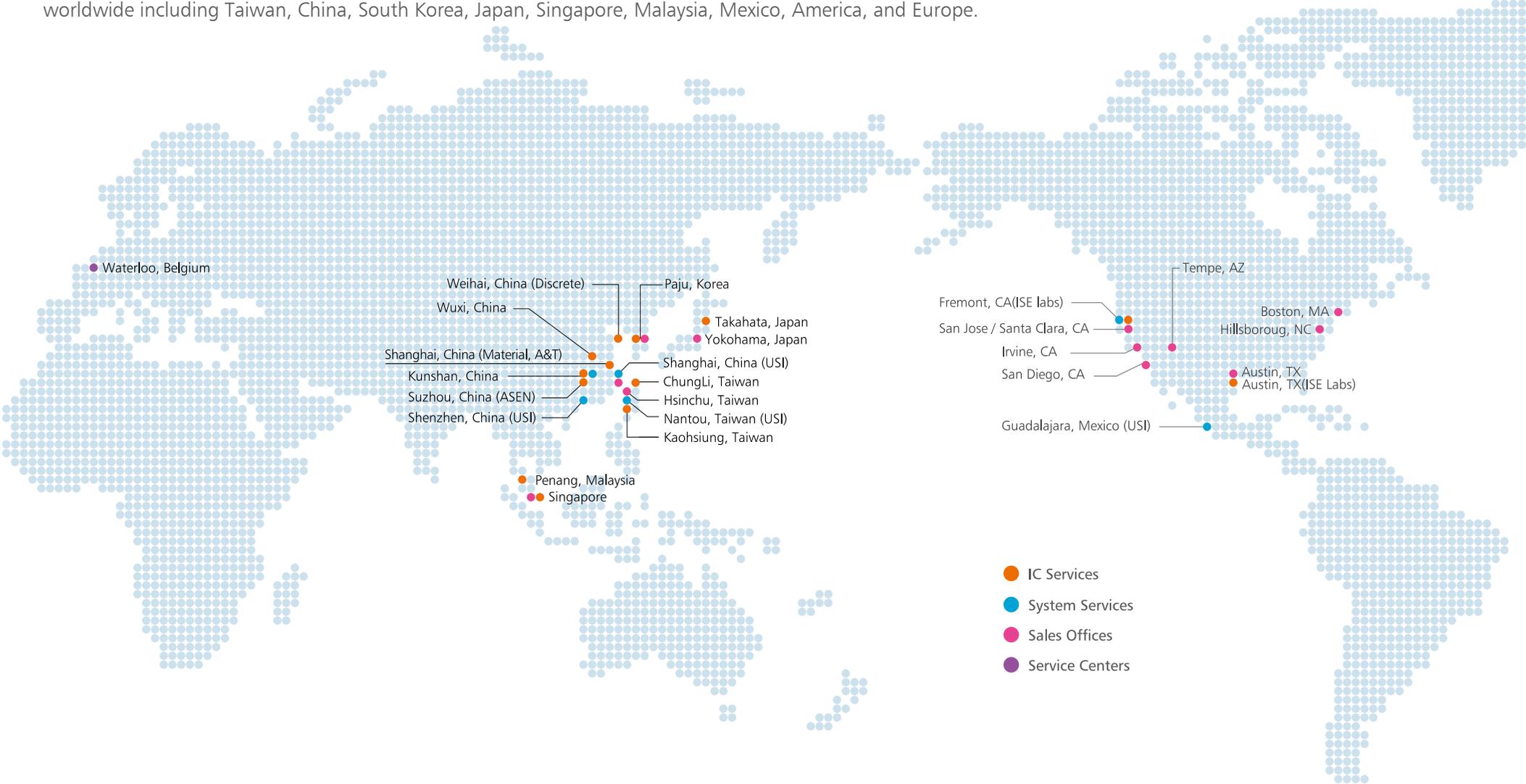
ASE Makes the List on Forbes Asia Fabulous 50 Companies 2014

ASE was the only Taiwan company listed in Forbes magazine's 2014 Asia Fab 50 companies. The Fab 50 is chosen from a pool of 1,300 companies in the Asia Pacific region that have at least \$3 billion in market capitalization or annual revenue. These companies were analyzed and chosen based on a long series of performance measures, each company's outlook as well as various factors, resulting in a list of the region's best of the best.

* Taiwan Stock Exchange (TWSE) is a financial institution regulated by the Financial Supervisory Commission.

Global Operation

ASE Group has a worldwide headcount of over 68,000 employees (as of December 2014). Our sales and manufacturing facilities are strategically located worldwide including Taiwan, China, South Korea, Japan, Singapore, Malaysia, Mexico, America, and Europe.



Products and Services

ASE provides the design, manufacturing and enabling of many electronic end products including smartphones, PCs, tablets, game consoles, security chipcards, automotive sensors, entertainment systems and many more. We offer a broad range of advanced and legacy semiconductor packaging and testing services. In addition, we offer electronic manufacturing services since our acquisition of a controlling interest in Universal Scientific Industrial Co., Ltd. in February of 2010.

Packaging and testing are ASE's signature services. Our package types generally employ either leadframes or substrates as interconnect materials. The semiconductors we package are used in a wide range of end-use applications, including communications, computing, consumer electronics, industrial, automotive and other applications. Our testing services include front-end engineering testing, which is performed during and following the initial circuit design stage of the semiconductor manufacturing process, wafer probe, final testing and other related semiconductor testing services.

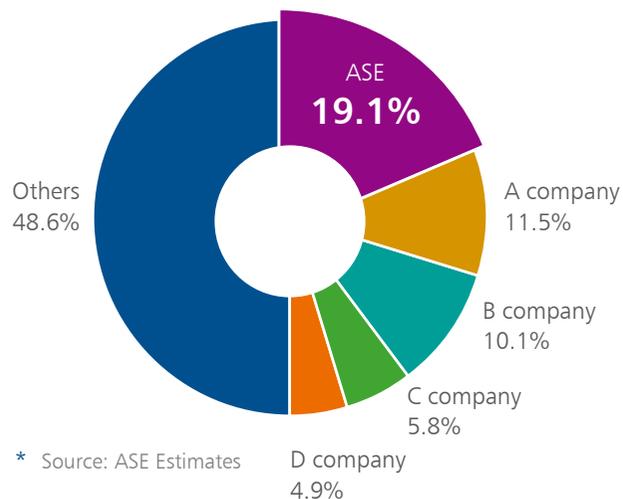
Our electronics manufacturing services are used in a wide range of end-use applications,

including, but not limited to, computers, peripherals, communications, industrial applications, automotive electronics, and storage and server applications. In 2014, our revenues generated from packaging, testing and electronic manufacturing services accounted for 47.3%, 10.1% and 41.2% of our operating revenues, respectively. For detailed products and services information, please visit our website www.aseglobal.com.

Market Share*

ASE continues to lead the industry in outsourced semiconductor assembly and test services.

2014 Semiconductor Assembly and Test Market Share (SAM: US\$27.1Bn)



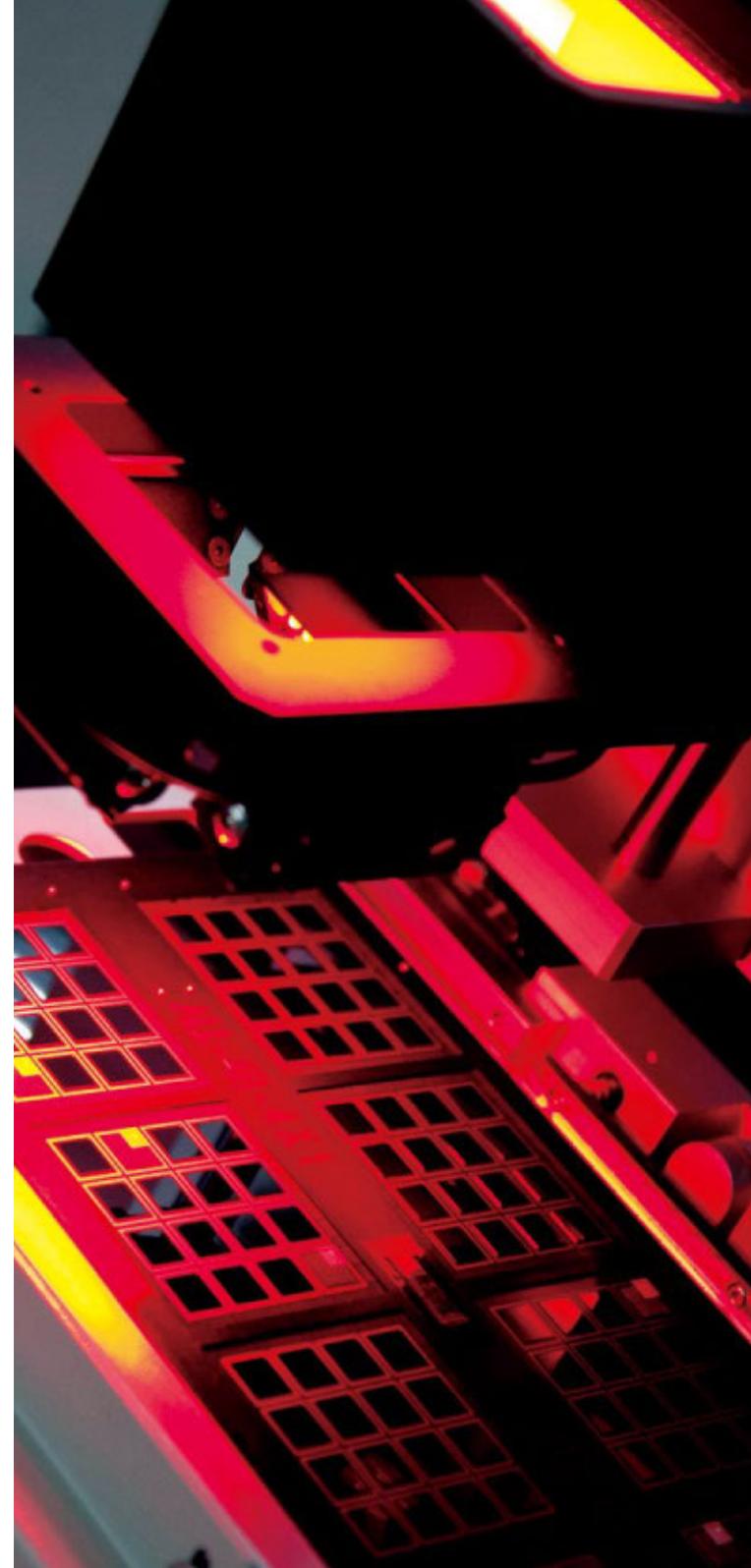
Customer Service

Our key customers typically operate in the semiconductor and electronics industries. Our five largest customers together accounted for approximately 31.2%, 37.2% and 40.3% of our operating revenues in 2012, 2013 and 2014, respectively. We believe that our advanced process technology and reputation for high quality and reliable services have been important factors in attracting and retaining these internationally leading companies. We maintain a quality control staff at each of our facilities. Our quality assurance systems impose strict process controls, statistical in-line monitors, supplier control, data review and management, quality controls and corrective action systems.

To ensure that customer suggestions are being properly delivered and processed, ASE has a dedicated team in place for reporting feedback and customer communication. We have an online customer service platform that uses the Internet for prompt interaction and exchange of information with our customers. The platform can be integrated with the customers' own network to provide information of a complete supply chain including order status, shipping date, design integration and engineering details. The system significantly improves the flow of product information.

2014 Customer Awards

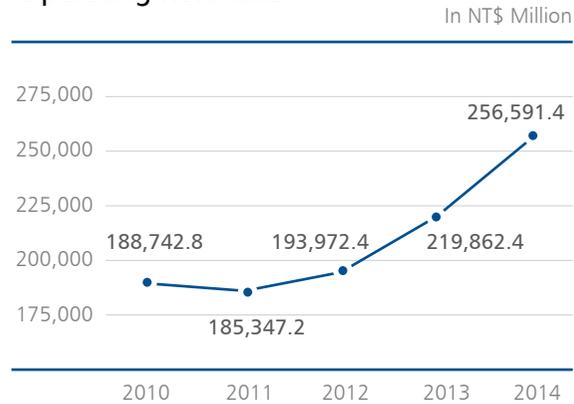
Customer	Award Title
Airoha	2014 Supplier Excellence Award
ALTOBEAM	The Best Supplier and Partner in 2014
AMBARELLA	In Recognition of Valuable Contribution
ANALOG DEVICES	Supplier Performance Award
Avago	2014 Best Supplier Award
CONEXANT	Supplier Excellence Award
Huntersun	Best Partner of the Year
INDIE	Supplier of the Year
MAXIM INTEGRATED	For enabling fast ramp in optical devices with over 60 million unit shipment
RTC	2014 Supplier Excellence Award
Samsung	Best Supplier Award
SILICON LABS	Supplier of the Year Award 2014
Toshiba	Best Partner Award
WOLFSON	Outstanding Support Appreciation
Lenovo	Suppliers Conference Diamond Award



Financial Performance

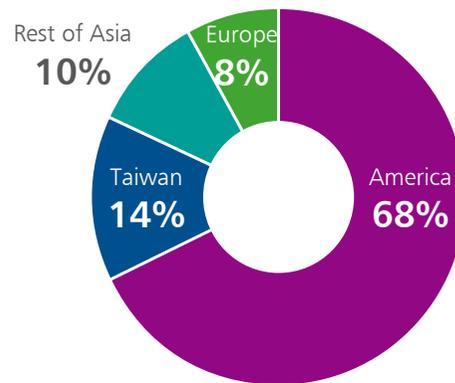
ASE's consolidated revenue for 2014 totaled US\$8.1 billion (NT\$256.6 billion), representing an increase of US\$1.2 billion (NT\$36.7 billion) and 16.7% growth over 2013. As far as the test industry is concerned, the consolidated revenue in 2014 was US\$5.1 billion (NT\$159.7 billion), representing an increase of around US\$0.5 billion (NT\$16.4 billion) and 11.4% growth over 2013. Electronic manufacturing systems operations recorded net revenue of US\$3.4 billion (NT\$105.9 billion), representing an increase of US\$0.9 billion (NT\$27.3 billion) and 34.8% growth over 2013. ASE accomplishments throughout 2014 can be divided into three parts. Firstly, we saw continued growth for our advanced packaging revenue, closing 2014 at 16% up over 2013, with momentum primarily attributed to system level packaging, and in particular, System-in-Package (SiP). Secondly, we maintained our leadership position within the copper wire bond market, where we saw 2014 revenue from copper wire bonding increase 15%, over 2013. Further, we increased our market share and saw continued conversion of copper process across broad applications. Thirdly, we strengthened our system integration technology, including copper pillar flip-chip packaging, wafer assembly, as well as fan-out and embedded technology.

Operating Revenues

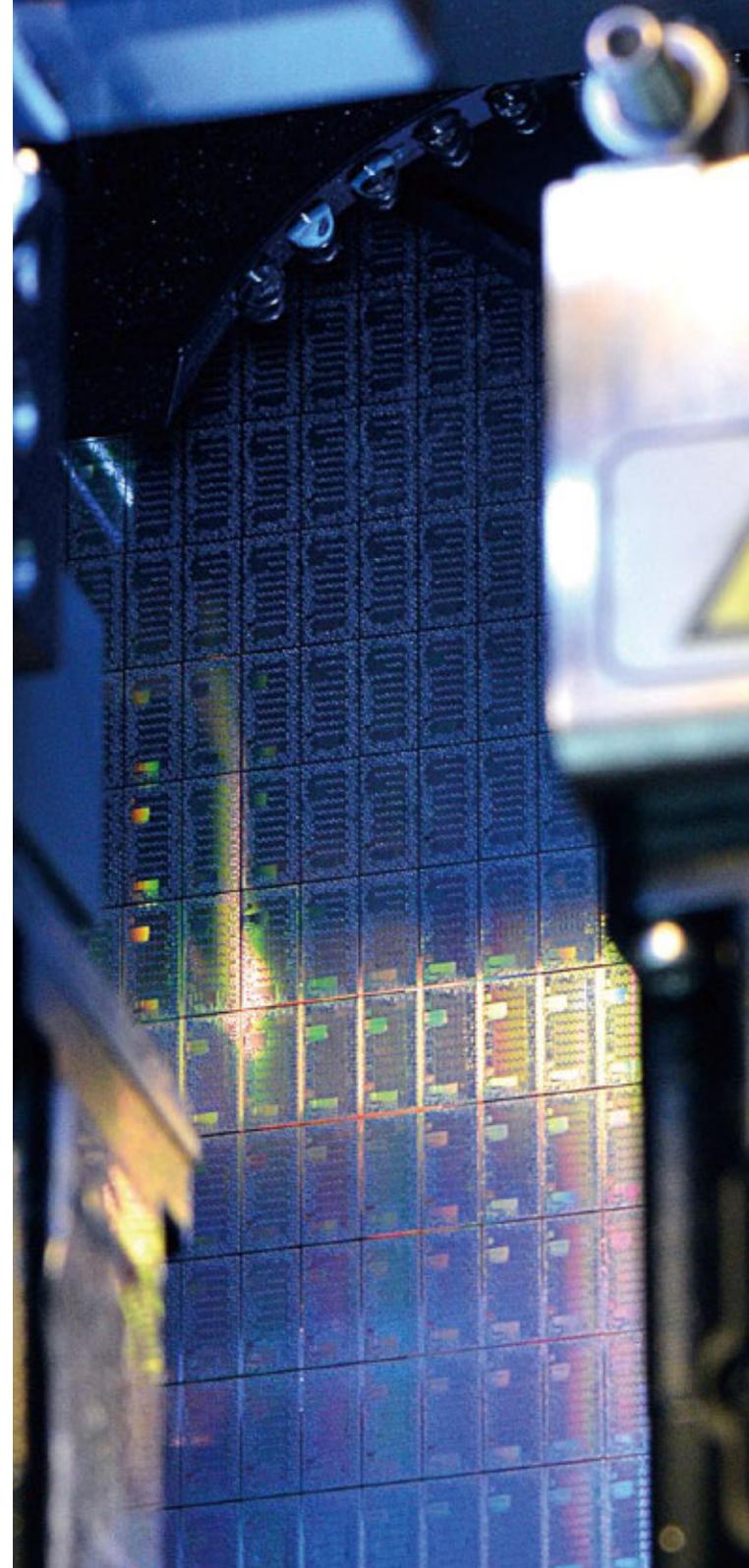


2014 Revenue Breakdown by Region

We categorize our operating revenues geographically based on the country in which the customer is headquartered.



Total operating revenues: US\$8,120 million



R&D and Innovation

In 2014, our research and development expenditures increased by 13.5% from 2013 to US\$325.6 million (NT\$10,289.7 million), accounting for 4.0% of operating revenues. We maintain a highly experienced and skilled engineering team that continuously advances semiconductor assembly technologies. As of December 31, 2014, we employ 6,951 employees in research and development, an increase of 10% as compared with 6,307 R&D employees as of December 31, 2013. We work closely with our equipment and materials manufacturers in designing and developing the equipment and materials used in our production process. We also collaborate with our major customers to co-develop new products and process technologies. In addition, we collaborate with universities and technology research institutes for developing next-generation techniques. Our long-term investments in R & D have won us patents in several new technologies, which further enhance our competitiveness in the high-end assembly and manufacturing process. As of January 31, 2015, we have over 3,500 patents and over 700 pending applications. Our portfolio includes 1,923 Taiwan patents, 872 U.S. patents, 717 PRC

patents and 18 patents in other countries related to various packaging and testing technologies and electronic manufacturing services.

Technology Leadership

ASE continues to lead the semiconductor industry with its cutting edge IC packaging technologies such as Copper wire, Advanced chip scale packages (aCSP[®]), Advanced QFN package (aQFN[®]), Low cost fcCSP, System-in-Package (SiP), 3D chip packages and Cu Pillar. We are also developing the cost-effective solutions to 3D packages, such as 2.1D (substrate layer modification) and 2.5D (substrate interposer), to fulfill current low cost and high performance requirement in parallel with 3D packages with TSV (Through Silicon Via) technology.

ASE Honored with SEMI* Award for Advancement in Copper Wire Bonding Technology

SEMI has awarded ASE the 2014 SEMI Award for North America, recognizing the company's relentless pursuit of commercializing copper wire



in the IC assembly process at a time when gold wire bonding was the industry standard. For ASE, the transition from gold to copper, however, was not without challenge due to the thermal and electrical

performance of copper wire versus gold wire. The ASE engineering team went through months and years of laborious studies, evaluations, and qualification lots, and with each successful production run, customers become increasingly confident in the copper wire bonding process. By 2011, ASE was shipping more than four billion package products using copper wire bonding processes.

Copper wire bonding also produces a much lower carbon footprint than gold wire. We have helped our customers to significantly reduce the final packaged products' overall greenhouse gas (GHG) emissions by over 900,000 metric tons in the period from 2008 to 2014 via the transition from gold to copper wire bonding**.

* SEMI is the global industry association serving the manufacturing supply chain for the micro- and nano-electronics industries. For more information on SEMI, please visit: www.semi.org.

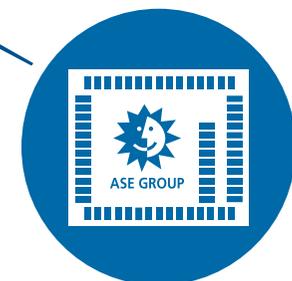
** This is calculated based upon a total of around 8,688,000 km of copper wires consumed by ASE from 2008 to 2014 to replace gold wires.



System-in-Package (SiP) for Internet of Things (IoT)

We believe that the advent of the Internet of Things (IoT) has ushered in an era of unlimited applications fuelled by innovation and the inter-connected world. Developing IoT systems have also posed a set of new challenges to the semiconductor industry while pushing technology and system complexity to greater heights.

In response thereto, we integrate our current packaging technologies with System-in-Package (SiP) and module level solutions, and actively collaborate with industry partners for a seamless manufacturing process. We seek to create a new business paradigm to support IoT applications in improving life quality and making the world a better place to live in. We are developing the following solutions to support IoT applications.





Sensor SiP

The Sensor SiP is a hybrid structure consisting of a light emitter, detector, signal processor integrated with semiconductor assembly technologies. It features a sensor hub with multiple sensor data processing capability and RF connectivity within a single LGA/BGA package.

RF SiP

The RF SiP is a side by side or hybrid stack structure consisting of a power amplifier, antenna switch, IPD and SAW filters to form the RF front-end system.

Wireless SiP Module

The side by side MCM LGA/BGA module, hybrid structure and double sided module are module types integrating wireless chipsets, crystal oscillators, RF filters and passives to form a wireless sub-system.

Embedded SiP

An embedded-SiP integrates active and passive components to minimize the system size and enhance its performance. Multiple dies are embedded inside organic substrate material to form an embedded-SiP. One important technology is a-EASI[®] (Advanced Embedded Assembly System Integration) which embeds thin chips into substrate build-up layers, and electrical contacts to the chips are realized by laser-drilled and metallized micro-vias to replace traditional wire bonding process.

2.5D IC (TSV-Interposer Integration)

2.5D technology integrates ASIC dies and memory components together via a silicon interposer with through silicon vias (TSV). The Si interposer is used as a platform to bridge the fine pitch capability gap between the package substrate and the dies.

WL-SiP

A MEMS sensor and ASIC die with through silicon vias (TSV) are stacked to form a WL-SiP. WL-SiP utilizes different package techniques including wire-bonding and TSV on LGA packages.





COMMUNICATION AND STAKEHOLDER ENGAGEMENT

Communicating with our stakeholders is key to the long-term and continuous improvement of our enterprise. Through communication mechanisms with our stakeholders, we include important feedback into our strategies, and operations worldwide. An important goal of stakeholder engagement is to seek feedback from diverse stakeholder groups, and transform that feedback into action.



Identification and Communication with Stakeholders

We define stakeholders as group or organization that can affect or be affected by ASE. We prioritize our stakeholders by looking at both the relevance of the stakeholder's relationship to our business and the importance of the issue being raised. ASE's stakeholders include employees, community residents, government, non-governmental organizations (NGOs), customers, shareholders, suppliers, and industry unions and associations. Our communication mechanisms are listed below.

Employees

Communication Channels*
Employee communication meetings, GM mailbox, general feedback mailbox, public notice board, ASE newsletters, internal memos, training courses, email, intranet

Issues of Concerns

- employee benefits
- employee training
- human rights
- employee health and safety management

Shareholders

Communication Channels*
Annual financial reports, shareholders' meeting, release of information through official government channels of communication

Issues of Concerns

- company performance
- financial data

Community Residents

Communication Channels*
ASE Charity Foundation, ASE Cultural & Educational Foundation, volunteer organization, public relations team

Issues of Concerns

- environmental protection
- social work

Suppliers

Communication Channels*
Surveys, on site audits, training and awareness programs, forums, online information portal, quarterly business review

Issues of Concerns

- operational risk management
- supply chain management



Industry Unions And Associations

Communication Channels*
Participation in industry, technology and standards meetings, collaboration, involvement in the policy making process for key initiatives

Issues of Concerns

- carbon footprint management
- cleaner production
- energy and resource management

Government

Communication Channels*
Industry and technology conference participation and involvement in the policy making process for key initiatives

Issues of Concerns

- energy and resource management
- pollution prevention
- various expenditure and investment in environmental protection efforts

NGOs

Communication Channels*
Corporate internet, publicity conference, forums

Issues of Concerns

- energy and resource management
- community involvement
- environmental protection

Customers

Communication Channels*
Focus teams, customer service platform

Issues of Concerns

- business continuity management
- green products
- supply chain management
- environmental protection

* We communicate with each stakeholder at irregular intervals unless otherwise indicated.

Stakeholder Materiality Assessment

We conducted materiality assessment of sustainability issues by using the following process:

- Listing all potential issues that may reflect ASE's economic, environmental and social impacts, or influence the decisions of stakeholders.
- Determining the material aspects that are important for ASE from the potential issues through internal discussion. Specifically, we determine the significance of each issue

according to our operational focus as well as major accidents in the past.

- Grouping the identified material aspects into 13 relevant sustainability issues.
- Identifying the reporting boundary for each sustainability issue.
- Gathering information about the impact and importance (level of concern) of each sustainability issue. Specifically, representatives of various functional units including R&D, procurement, environmental,

health, and safety (EHS), quality control, human resources, customer services and the senior management team were invited to give the rating to the sustainability issues with the consideration of the impact to ASE's sustainable development as well as the significance (importance) to stakeholders.

- Conducting a quantification analysis to prioritize the sustainability issues based upon their impact and importance.

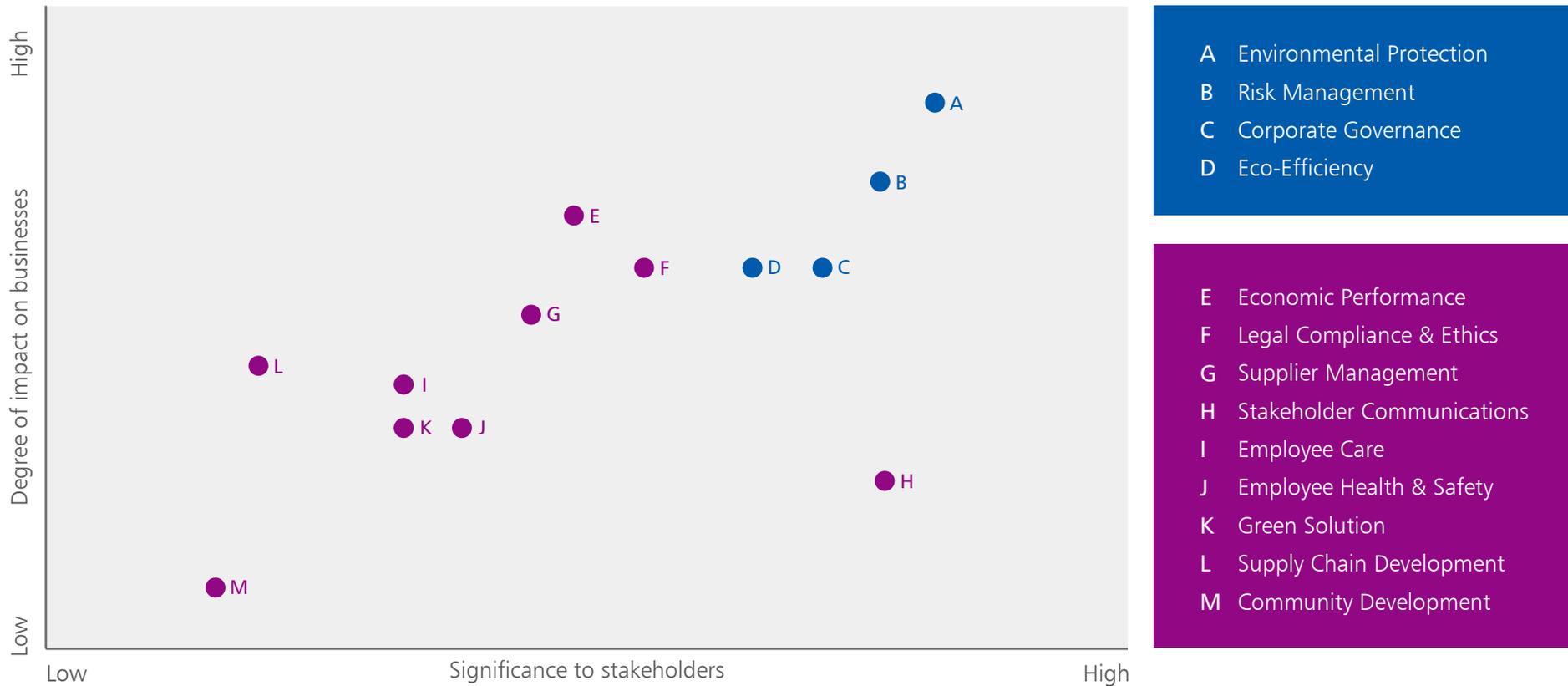
Material Aspects and Boundaries

Category	Sustainability Issue	Material Aspects	GRI Index	Within the Company				Outside the Company		
				ATM Global Facilities	EMS Facilities in Zhangjiang, Kunshan, Shenzhen, and Taiwan	EMS Facilities in Mexico & Jinqiao	Sales, Administrative & other Offices	Customers	Suppliers	Community
Governance	Economic Performance	Economic Performance	EC1~2 & 4	✓	✓	✓	✓			
	Corporate Governance	Corporate Governance	G4-34, G4-36, G4-38~39, G4-41	✓	✓	✓	✓			
	Legal Compliance & Ethics	Compliance with Laws and Regulations Codes of Conduct and Codes of Ethics	SO8 G4-56	✓	✓	✓	✓			
	Risk Management	Risk Management	G4-14	✓	✓	✓	✓			

Category	Sustainability Issue	Material Aspects	GRI Index	Within the Company				Outside the Company		
				ATM Global Facilities	EMS Facilities in Zhangjiang, Kunshan, Shenzhen, and Taiwan	EMS Facilities in Mexico & Jinqiao	Sales, Administrative & other Offices	Customers	Suppliers	Community
Environment	Environmental Protection	Waste	EN23	V	V	V (not include Mexico)				
	Environmental Protection	Effluents Emissions other than GHG Product & Service Environmental Regulatory Compliance Overall (Environmental Expenditures)	EN22&24 EN20~21 EN28 EN29 EN31	V	V	V				
	Eco-Efficiency	Energy GHG Emissions	EN3, 5~6 EN15~16 & 18~19	V	V	*				
			EN8	V	V	V				
		Water	EN10	V	V (not include Zhangjiang, Kunshan)	*				
	Green Solution	Hazardous Substance Management Green Process	N/A N/A	V	V	V				
Employee Care and Development	Employee Care	Employee Welfare Labor/Management Relations Training & Education Diversity and Equal Opportunity Equal Remuneration for Women and Men	LA1~3 LA4 LA9~11 LA12 LA13	V	V	V	*			
	Employee Health & Safety	Occupational Health and Safety	LA5~8	V	V	V	*			
Supply Chain	Supply Chain Development	Procurement Practice Conflict Minerals	EC9 N/A	V	V	V	V		V	
	Supplier Management	Child Labor Forced or Compulsory Labor Supplier Environmental Assessment Supplier Human Rights Assessment Supplier Assessment for Labor Practices	HR5 HR6 EN32 HR10 LA14	V	V	V			V	
Social Involvement	Significant Community Development	Local Community Development Programs	SO1	V	V	*				V
	Stakeholder Communications	Stakeholder Engagement	G4-24~27	V	V	V	V	V	V	V

V Data/information disclosed in this report * Future disclosure

Results Of Stakeholder Materiality Assessment



The results of stakeholder materiality analysis showed that the four most important sustainability issues to stakeholders and ASE include environmental protection, risk management, corporate governance, and eco-efficiency. A detailed response is provided in the following chapters as listed:

Most Important Sustainability Issues	Response in Sections	Page
Environmental Protection	Pollution Prevention	44
Risk Management	Risk Management	29
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Participation in External Organizations

We actively participated in external organizations and lead industry activities worldwide. As a leading member of the semiconductor packaging and testing sector, we are an active contributor to international programs initiated by the World Semiconductor Council (WSC), International Technology Roadmap for Semiconductors (ITRS), and other key industry organizations. In addition, our Chief Operating Officer, Dr. Tien Wu, sits on the Board of Directors of the Global Semiconductor Alliance (GSA) and Semiconductor Equipment and Materials International (SEMI) to keep abreast of current trends in the global semiconductor supply chain. In 2014, we joined the Sustainable Manufacturing Committee of SEMI Taiwan to further demonstrate our commitment to meet the challenges of sustainable development.

Electronics Industry Citizenship Coalition (EICC)

We became an applicant member of the EICC in early 2015. We plan to train our major suppliers on compliance with the EICC

code of conduct and for them to participate in the EICC Validated Audit Process (VAP). Our facilities comply with the requirements of the EICC guidelines and our major sites* have been granted the EICC Validated Audit Report (VAR). The EICC platform enables us to communicate with global stakeholders regarding our practices related to labor, health, safety, environment, management system and ethic. Through our membership and participation in the EICC, we support the implementation of international labor and human rights standards, including the Universal Declarations of Human Rights, and International Labor Office Tripartite declaration of Principles.

Conflict-Free Sourcing Initiative (CFSI)

In early 2015, we joined the CFSI (Conflict-Free Sourcing Initiative), an initiative of the EICC and GeSI (Global e-Sustainability Initiative), which is the most utilized and respected resources for companies addressing conflict minerals issues. Through our membership and participation in the CFSI, we will support

the development and implementation of independent third-party audits of smelters' and refiners' sourcing and help to build leverage over our conflict minerals supply chain to encourage conflict-free sourcing.

Business Council for Sustainable Development of Taiwan (BCSD-Taiwan**)

We joined the BCSD-Taiwan in 2011. In 2014, we sponsored the Traditional Chinese translation of GRI G4 Guidelines supported by BCSD Taiwan thereby assisting domestic companies to better understand the implications of the G4 guidelines and to gain more accurate access to corporate sustainability information.



* This includes ASE Kaohsiung, Chungli, and Shanghai (A&T) facilities.

** The BCSD-Taiwan is a non-profit business organization established in May of 1997 and aimed to play a leading role and become an influential business voice in Taiwan in the field of corporate sustainability.



Carbon Disclosure Project (CDP)

In 2009 we began taking part in the Carbon Disclosure Project (CDP) set up by leading international institutional investors in 2003. Our carbon information disclosure focuses on the following areas:

1. Analysis of risks and opportunities of climate change and countermeasures.
2. Inventory of greenhouse gas emissions.
3. Carbon-reduction plans and implementation results.
4. Management of greenhouse gas emissions.
5. Status reports on each greenhouse gas emission.
6. Suppliers' greenhouse gas management.
7. Creation of opportunities for greenhouse gas reduction from products' life cycles.
8. Base year and the greenhouse gas emissions.

Other industry organizations in which ASE actively participated

- China Semiconductor Industry Association (CSIA)
- Free Industrial Zone, Penang, Companies' Association (FREPENCA)
- Global Semiconductor Alliance (GSA)
- Semiconductor Equipment and Materials International (SEMI)
- Japan Yamagata Semiconductor Industry Association
- Shanghai Environmental Protection Industry Association
- Shanghai Integrated Circuit Industry Association (SICA)
- Supply Management Alliance
- Suzhou Park Semiconductor and Electronic Product Association
- Taiwan Corporate Sustainability Forum (TCSF)
- Taiwan Semiconductor Industry Association (TSIA)
- Taiwan Supply Management Institute
- Taiwan Printed Circuit Association (TPCA)
- YEIA – Yonezawa Electronics Industrial Association

CORPORATE GOVERNANCE

ASE is committed to maintaining high standards of ethics, corporate governance and effective accountability mechanisms in every aspect of its business. Conducting business in a socially responsible and honest manner serves both the Company's and shareholders' long-term interests.



Governance Structure

ASE believes that only by cultivating strong and efficient corporate governance, can we maintain continuous improvement and enhance competitive advantage which in turn can ensure shareholders' rights and interests. In line with this principle, the ASE Board set up two functional committees, Audit Committee and Compensation Committee, to facilitate the operation of the Board of Directors. Meanwhile, we have an Internal Audit Department responsible for periodically presenting compliance audit results for review by the Audit Committee and the Board of Directors.



In 2014, ASE proactively examined both its corporate governance practices and its effectiveness in corporate governance implementation, based on OECD Principles of Corporate Governance. Through the self-evaluation process, our top management tended to pay more attention to improving corporate governance practices, further shaping and enhancing the quality of corporate governance in ASE.

Board of Directors

As the highest governing body, ASE's Board of Directors consists of nine members, including two independent directors. Jason C.S. Chang has served as Chairman of the Board of Advanced Semiconductor Engineering, Inc. since its founding in March of 1984, and as its Chief Executive Officer since May of 2003. The Board of Directors possess certain powers and duties, including devising operations strategy, dividend proposals, increasing or decreasing capital, reviewing material internal rules and contracts, hiring and discharging senior personnel, establishing and dissolving branch offices, reviewing budgets and financial statements and other duties and powers granted by or in accordance with the ROC Company Law, our Articles of Incorporation or shareholders resolutions. The members of the Board hold a variety of professional backgrounds and industry experiences (e.g., industrial engineering, electrical engineering, mechanical engineering, computer engineering, physics, finance, economics, accounting, business administration, psychology) and possess the ability to conduct risk oversight, to make policy decisions on economic, environmental and social impacts, and to lead in the company from an international market perspective. To

meet the requirement of board diversity, we set a female member on our Board in 2015. In order to establish a sound governance mechanism in ASE's Board, ASE has adopted the rules of "Regulations Governing Procedure for Board of Directors Meetings of Public Companies" regulated by the FSC (Financial Supervisory Commission R.O.C*) and established the "ASE Procedures for Board of Directors Meetings" (the "Procedures".) Matters formulated by the Procedures include meetings' main agenda, operational procedures, required content of meeting minutes, public announcements, and other compliance requirements for Board meetings. In accordance with the Procedures, the Board of Directors meetings should be held at least once every quarter, and a total of twelve board meetings were convened in 2014. To manage and avoid conflicts of interest, directors who engage in any business activity where there is a conflict of interest are not allowed to participate in the discussion, vote at the meeting, or exercise voting rights on behalf of other directors. For details on their attendance of meetings and further information regarding conflict of interest, please refer to our Chinese Annual Report via our website at : www.aseglobal.com

Governance of Sustainability Issues

To fulfill our commitment to advancing sustainability and corporate citizenship, the Board of Directors is involved in supervising and governing ASE's performance in economic, environmental and social issues. Matters that might impact our society, the environment, and economy will be taken into consideration when conducting major decision-making. For instance, resolutions made to contribute a total amount of not less than NT\$3 billion to environmental protection efforts in Taiwan to be made in the next 30 years, to donate NT\$15 million in aid of the Kaohsiung gas explosions disaster area, and to issue the first green bond in Asia were all approved at the Board meetings in 2014.

* The Financial Supervisory Commission R.O.C (Taiwan) is the authority responsible for development, supervision, regulation, and examination of financial markets and financial service enterprises in Taiwan.

Audit Committee

We have an Audit Committee that satisfies the requirements of Rule 10A-3 under the Securities Exchange Act of 1934. The Audit Committee was established by the Board of Directors in 2005 and currently consists of our independent directors. According to the audit committee charter, the Audit Committee has the responsibility to oversee the qualifications, independence and performance of our independent auditors, the integrity of our financial statements, and our compliance with legal and regulatory requirements.

In addition, we have five supervisors, each serving a three-year term. The supervisors' duties and powers include investigation of our business condition, inspection of our corporate records, verification and review of financial statements to be presented by our Board of Directors at shareholders' meetings, convening of shareholders' meetings under certain circumstances, representing us in negotiations with our directors and notification, when appropriate, to the Board of Directors to cease acting in contravention of any applicable law or regulation, our Articles of Incorporation or shareholders resolutions. Each supervisor is elected by our shareholders and cannot concurrently serve as a director, managerial officer or other staff member of ASE.

Compensation Committee

Our Board of Directors established a compensation committee in 2011 pursuant to the ROC Securities and Exchange Act. The Compensation Committee is comprised of three members including our independent directors, to ensure a sound system for compensation of the Directors, supervisors and managerial officers. The Board of Directors has adopted a compensation committee charter for our Compensation Committee which is responsible for setting forth and reviewing policies, systems, standards and structures for performance evaluation and compensation of the Directors, supervisors and managerial personnel, and carrying out the evaluation.



Internal Audit

In addition to setting up our internal control system in accordance with the "Regulations Governing the Establishment of Internal Control System by Public Companies" enforced by the Financial Supervisory Commission, we have also instituted stringent internal control points in accordance with the provisions of the US Sarbanes-Oxley Act. Our Internal Audit Department reports directly to the Board of Directors with the primary duty of assisting the management team to supervise and to evaluate the effectiveness of the internal controls system. We set up our internal audit functions as follows: (1) The annual audit plan provides for internal assessments on specific areas of the operation to ascertain the level of implementation and compliance with corporate policies. (2) Audits are conducted on investee companies over which the company exercises significance influence with the accompanying Statement of Internal Controls System issued upon completion of an audit pursuant to the Sarbanes-Oxley Act. (3) Special audits are conducted where required. (4) An audit report is issued upon completion of an audit. Deficiencies identified are followed up and rectified according to the plan.



Code of Business Conduct and Ethics

For the purpose of enabling our employees to understand ASE corporate culture and ethics and to establish a sound business operation, ASE has developed the "ASE Group Code of Business Conduct and Ethics" (the "Code") in accordance with the rules of Section 303A.10 of NYSE^{*}, "Ethical Corporate Management Best Practice Principles for TWSE/TPEX^{**} Listed Companies", and "Guidelines for the Adoption of Codes of Ethical Conduct for TWSE/GTSM Listed Companies" formulated by FSC.

The Code applies to everyone who conducts business on behalf of ASE Group – including employees, executive officers, supervisors, members of the Board of Directors, and subsidiaries. The principles embodied in the Code reflect our policies related but not limited to commercial ethics, environment, labour, health and safety, corporate governance, legal compliance, and social participation, expressing our commitment to ethics business practices, corporate citizenship, and social responsibility. To comply with all of the provisions of the Code, each of us:

- must abide by all applicable laws, regulations and corporate governance, and ensure all information that ASE files with or submits to any governmental or regulatory entity is presented in a full, fair, accurate, timely, and understandable manner;
- must protect intellectual property rights and employee personal data, maintain the confidentiality, preserve integrity and honesty, and avoid conflicts of interest and improper advantage;
- must endeavour to reduce the impact on the environment through noise control, air and water pollution control, and waste management;
- must assist community development in the economic, social, and environmental aspects; and
- must respect human rights and promote responsible labour practices.

In addition to this Code, we also established the operational procedures guidelines, employee handbook, and educational training through employee induction on a site basis to roll out ethics value. All employees, executive officers, supervisors, members of the Board of Directors, and subsidiaries must comply with the Code. Our

customers, suppliers, advisors are expected to understand and respect ASE's culture and group value.

We believe that open communication of issues and concerns by all employees, executive officers, supervisors, members of the Board of Directors, and subsidiaries without fear of retribution and retaliation is vital to the successful implementation of the Code. All employees are encouraged to raise ethical questions and concerns or to report any suspected violations of ethics, laws, rules, regulations or this Code promptly to the Human Resource Department, and the Human Resource Department should notify the Board of Directors. Any such concerns relating to accounting, internal accounting controls or auditing matters should be reported in accordance with the "Policy and Procedures for Complaints and Concerns Regarding Accounting, Internal Accounting Controls or Auditing Matters" established by the Audit Committee of the Board of Directors. The Code and "Policy and Procedures for Complaints and Concerns Regarding Accounting, Internal Accounting Controls or Auditing Matters" are available to the public and can be accessed via our website at: www.aseglobal.com.

* The New York Stock Exchange (NYSE) is a stock exchange based in New York City, which is considered the largest equities-based exchange in the world based on total market capitalization of its listed securities.

** Taipei Exchange (TPEX) is a foundation which is organized for serving the over-the-counter (OTC) market and bond trading of Taiwan.

Regulatory Compliance

We are committed to conducting our business affairs with honesty and integrity and in full compliance with all applicable laws, rules and regulations. No employee, officer, supervisor or director of ASE shall commit an illegal or unethical act, or instruct others to do so, for any reason. In 2014, we were not subjected to any major monetary or non-monetary disciplinary actions due to non-compliance with corporate governance regulations, and there is no corruption case discovered, or monopolistic or unfair practices that inhibit free markets. As a response to meeting increased and

tightened regulations and compliance requirements, we closely monitor domestic and foreign regulatory requirements as well as any restrictions that could adversely impact our activities.

Training is a major component of our compliance program. A series of seminars are designed to provide employees with an understanding of the law and key compliance issues. Training courses with topics including Antitrust, Anti-harassment, Proprietary Information Protection (PIP), Intellectual Property (IP), Anti-bribery/corruption,

Contract Management, Conflict-free Minerals; and Privacy Law are provided to managers and certain employees depending on the nature of the business activities they perform.

In 2014, to increase awareness of improper behaviour associated with Antitrust Law, Securities Law and Anti-Bribery Law, our top management were invited to join training courses on recent international enforcement trends and court rulings regarding insider trading and antitrust.



Risk Management

We manage risks via a variety of existing departments or functions ("risk functions") across all of our organizations. However, each risk function varies in terms of capability and how it coordinates with other risk functions. Starting from 2013, we used Enterprise Risk Management (ERM) to improve this capability and coordination, to integrate the output to provide a unified picture of risk for stakeholders and to strengthen our organization's ability to

manage the risks effectively. In 2014, we have ERM programs implemented in our major manufacturing sites (i.e., Kaohsiung and Chungli facilities as well as the USI Group) as well as all group-level functional departments. Risk identification, assessment and response are three important steps in the ERM cycle. Risks/Events that might have an influence on our business objectives are identified and evaluated, in order to decide on appropriate responses.

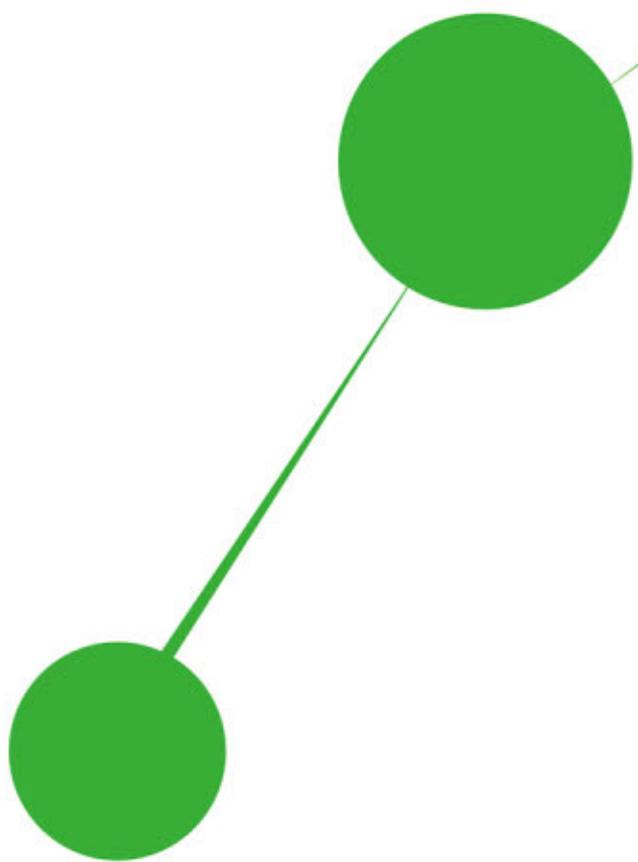
We have established the mechanism of prevention, early warning, emergency response, crisis management and business continuity plans that mitigate, transfer or avoid risks. We are confident that by having a sound management program, ASE has effectively kept the respective risk scenarios under control.

As to the climate risk specifically, more details are described in the section of "Risks and Opportunities of Climate Change".

Risk Management Process

	Identification	Assessment	Response
Purpose	To identify risks/events that might adversely affect the achievement of our business objectives.	To assess how big the risks are.	To identify and evaluate possible responses to risk.
Implementation	We use risk questionnaire to gather exposure information.	We assess risks from three perspectives: <ul style="list-style-type: none"> • Likelihood • Impact (on finance, business continuity, reputation) • Control effectiveness 	We evaluate response options by: <ul style="list-style-type: none"> • Cost of implementation • Effectiveness (degree to which a response will reduce impact) • Feasibility (difficulty) • Time needed for implementation

ENVIRONMENTAL SUSTAINABILITY



ASE strives to develop and promote a green concept in all facets of its enterprise. We are committed to ensuring the protection of the earth through our efforts to reduce greenhouse gas emissions, waste and effluent. In addition, from the initial product design stage, we conscientiously incorporate the use of green materials and cleaner production as well as the construction of green buildings and the upgrading of existing ones. For over 5 years, ASE has maintained a multi-site certification* for ISO 14001, which regularly examines the effectiveness of our environmental management system and helps to improve our resource efficiency and reduce waste. Furthermore, we achieved an absolute reduction in the total water withdrawal while increasing our production capacity as well as incorporating new production buildings. This is a significant milestone of our water resource management.

* In 2014, we had ISO 14001 certification for all packaging, testing and materials (ATM) facilities and electronic manufacturing services (EMS) facilities.

Climate Change Management & Mitigation

Climate change is considered as an important environmental issue around the world, and for ASE. We have embarked on a wide variety of efforts – including but not limited to green facilities (efficient building designs), resource conservation, energy efficiency, renewable energy (such as solar installations and green power purchases) – to reduce our impact and manage the risks associated with climate change.

Risks and Opportunities of Climate Change

ASE has identified and analyzed possible risks for our business operation. Besides that, potential impacts and corresponding measures of those risks are evaluated and proposed. With regard to the identified risks,

we have established monitoring and control mechanism.

Regulation risk : New and pending laws and regulations related to the environmental or climate change could increase expenses or require ASE to alter its manufacturing processes thereby affecting our operations. Furthermore, energy cost in general could increase significantly due to climate change regulations. Therefore, our energy costs may increase substantially if utility or power companies pass on their costs, fully or partially, such as those associated with carbon taxes, emission cap and carbon trading programs.

Physical risk : Climate change may increase the frequency and severity of climate disasters such as storms, floods and drought – thereby causing considerable adverse impacts on our

operations as well as the whole supply chains (e.g., water shortage or supply interrupt).

Other risk : Increasing climate change and environmental concerns could affect the results of our operations if any of our customers request that we exceed any standard set for environmentally compliant products and services. We may lose market share to our competitors if we are unable to offer such products.

ASE believes that there are opportunities that come with the climate change challenges. We are also embracing green building and green manufacturing such as energy and resource saving initiatives, to meet the expectations of the new green trend and build up a resilient and reliable system toward climate change adaptation and mitigation.

Regulation risk

Description

- Impact of new and pending regulation.
- Energy costs could increase significantly due to climate change regulations.

Control

- Continuously monitor regulation development.
- Take action to improve our energy efficiency and setting goals for energy and material conservation.

Physical risk

Description

- Changes in climate patterns may lead to increasingly frequent and damaging floods, storms, and droughts.

Control

- Water reuse and recycle initiatives.
- Conduct potential flooding analysis and propose contingency measures.
- Apply green infrastructure to new constructed facility.

Other risk

Description

- Our customers may request that we exceed standard requirements for environmentally compliant products and services.

Control

- Strengthen our operational measures to ensure that we not only meet but also surpass the current requirements.

Greenhouse Gas Emissions

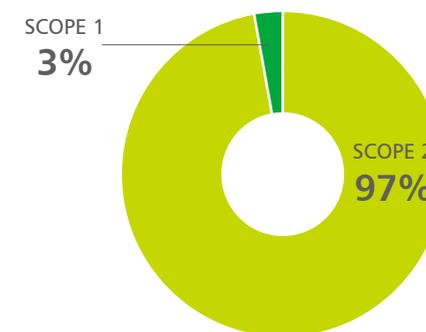
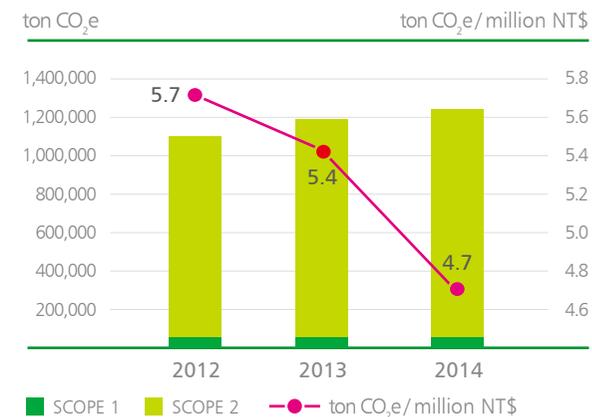
As global economies advance, industries are bound to play an increased role in managing environmental risks. Carbon management is an integral part of our overall business performance. We track our carbon footprint in terms of the amount of greenhouse gas emissions, and we manage such data to ensure improvements made in energy efficiencies and to our global footprint.

In 2009 we began taking part in the CDP set up by leading international institutional investors in 2003. Henceforth, we have been establishing our Scope 1 (direct) and Scope 2 (indirect) greenhouse gas (GHG) emissions inventory in accordance with the Greenhouse Gas Protocol issued by the World Business Council for Sustainable Development, and the World Resources Institute. Our major facilities* have respectively achieved ISO 14064-1 GHG verification, which covers around 84 % of the total emission.

Our total GHG emissions have increased relative to our considerable business growth.

In 2014, the total GHG emission (from Scope 1 and 2) by ASE manufacturing facilities** was 1,217,787 tCO₂e, an increase of 10% as compared with 1,108,664 tCO₂e in 2012. The increase was caused by a significant increase in power consumption due to capacity expansion of the existing plants as well as incorporation of new production sites. By implementing various energy-saving programs as well as constructing one new plant (K21) and upgrading eight existing buildings according to the green building standards, our greenhouse gas intensity (tCO₂e/million NT\$ revenue) in the period between 2012 and 2014 showed a decreasing trend from 5.7 to 4.7.

The 97% of the GHG emissions come from electricity use. The remaining 3% was mainly from stationary and mobile combustion sources using fuel such as natural gas, gasoline and diesel and process emissions (e.g., PFC/ HFC emissions from production line).



SCOPE 1 Emission Category

Stationary Combustion	46.69%
Mobile Combustion	8.33%
Fugitive Emissions	13.30%
Process Emissions	31.68%

* This includes ASE Kaohsiung, Chungli, Nantou, Shanghai (A&T), Shanghai (Material), Kunshan, and electronic manufacturing services (EMS) facilities located in Zhang Jiang, Kunshan, Shenzhen, and Taiwan.

** These include all packaging, testing and materials (ATM) facilities as well as all electronic manufacturing services (EMS) facilities except in Mexico & Jinqiao.



Green Facility

Since 2012, ASE has incorporated green design standards and building concepts into the construction of our facilities. Starting in 2014, we committed to constructing all new manufacturing facilities and office buildings in Taiwan according to the most up-to-date green building standards, e.g., U.S. LEED (Leadership in Energy and Environmental Design) and Taiwan EEWH (Ecology, Energy Saving, Waste Reduction and Health) standards. We have also adopted the green building concepts to improve environmental performance of existing buildings. In addition, we further promote "Green Factory Label*" Certification by implementing the green building concepts as well as cleaner production mechanism.

Green Buildings

Since 2012, ASE has invested US\$215 million in green buildings. In the next phase, we will invest another US\$50 million (NT\$1.6 billion) in green buildings. Our efforts for a greener and healthier environment will continue to

take shape not only from building new and environmentally sustainable facilities but also from improving the energy efficiency of older buildings within the Kaohsiung facility.

As of December 2014, ASE has achieved Taiwan EEWH certification for 9 new and existing buildings (2 "Diamond-rated", 2 "Copper-rated", 5 "Qualified") as well as one "Platinum-rated" U.S. LEED certification. Through the energy saving actions for EEWH/LEED certification, our green buildings together achieve electricity savings of over 40,000 MWh per year and carbon emission reductions* of 20,000 tCO₂e.

In addition, we plan to pursue EEWH certification for 12 new and existing buildings as well as LEED certification for 9 new and existing buildings. Our future efforts in green buildings will further allow electricity savings of over 90,000 MWh per year and carbon emission reductions of 47,000 tCO₂e.

* Taiwan's "Green Factory Label" is the world's first green certification system designed for factories, and examines both "green building construction" and "clean production".

** Conversion factor = 0.522 kg CO₂e/kWh

Completed Green Building Energy Efficiency and Water Recycling:

Facility	Plant	Electricity Saving* (kWh/year)	GHG** Reduction (tCO ₂ e/year)	Water Recycled (ton/year)
Kaohsiung	K12	18,961,818	9,898	77,489
Kaohsiung	Seven upgraded existing buildings	6,224,235	3,249	-
Kaohsiung	K21	16,117,546	8,413	36,200
Total		41,303,599	21,560	113,689

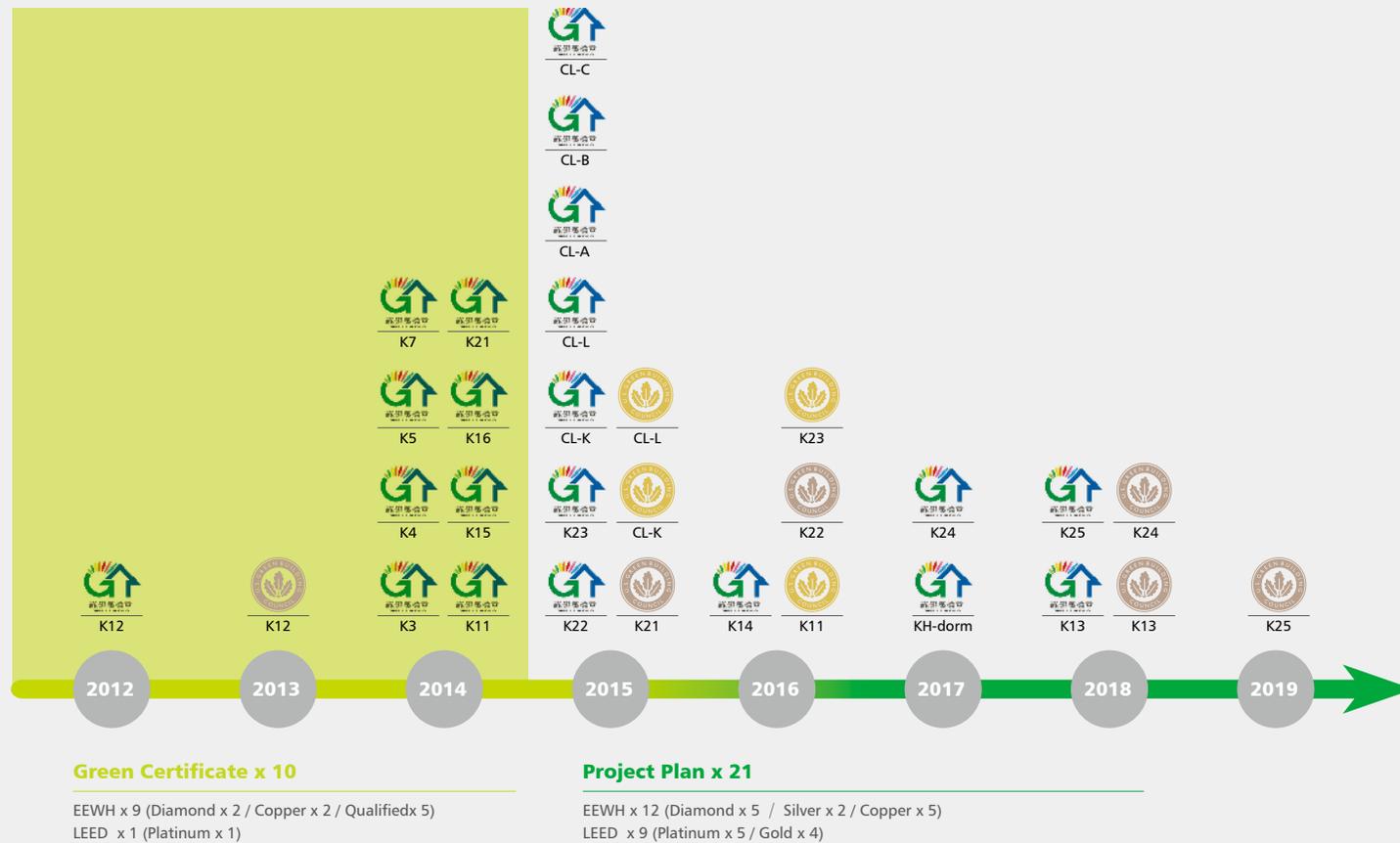
* K12 & K21's electricity saving data is calculated from the existing electricity consumption data of our K7 plant by comparing their energy efficiency and floor area. The K7 plant is selected for comparing because its floor area and facility system are similar to those of K21 & K22.

** Conversion factor = 0.522 kg CO₂e/kWh

Ongoing Green Building Energy Efficiency and Water Recycling:

Facility	Plant	Estimated Electricity Saving (kWh/year)	Estimated GHG Reduction (tCO ₂ e/year)	Estimated Water Recycled (ton/year)
Kaohsiung	K22 (under construction)	16,117,546	8,413	36,200
Kaohsiung	K23 (under construction)	5,925,568	3,093	-
Chungli	K, L (under construction)	69,534,964	36,297	33,470
Total		91,578,078	47,804	69,670

ASE Green Buildings & Future Plan



ASE Chungli Building K&L are scheduled to receive LEED & EEWH certification in 2015. As part of the green building program, the surrounding area of the Chungli campus will also incorporate landscaping and eco-ponds meeting LEED-NC standards.

Green Factory

We are implementing a three-year plan (2015~2017) to obtain the "Green Factory Label" for seven buildings (K3, K5, K7, K11, K12, K15, K21) within the Kaohsiung facility.

In order to obtain the "Green Factory Label", we must obtain green building certification for each of the buildings as well as pass the "Cleaner Production Assessment". We expect that, through obtaining the "Green Factory Label", more and more efforts will be put in operating our business in a socially responsible and sustainable manner.

* The Cleaner Production Assessment is conducted by the Industrial Development Bureau (IDB) of the Ministry of Economic Affairs (MOE) and based on the concept of "cleaner production" as defined by the United Nations Environment Programme (UNEP). The assessment evaluates five primary factors: manufacturing, eco-design, green management, social responsibility and green innovation, encompassing both qualitative and quantitative components.

Permeable Pavement

To provide a healthy and sustainable working environment, ASE promotes "Permeable Pavement" which provides flood adjustment and prevention and mitigation of the urban heat island effect by allowing stormwater to rapidly pass through the pavement, traditionally impervious to the soil below. Conventional permeable pavements are generally not structurally sound, are weak in material strength, and can be easily clogged. JW Pavement, an innovative "Load-Bearing Permeable Pavement" developed in Taiwan, uses air/water-circulated aqueduct frames and impervious cement concrete on top of an aggregate (crushed stone or gravel) subbase layer to form a structured

permeable concrete pavement while maintaining the required strength and durability.

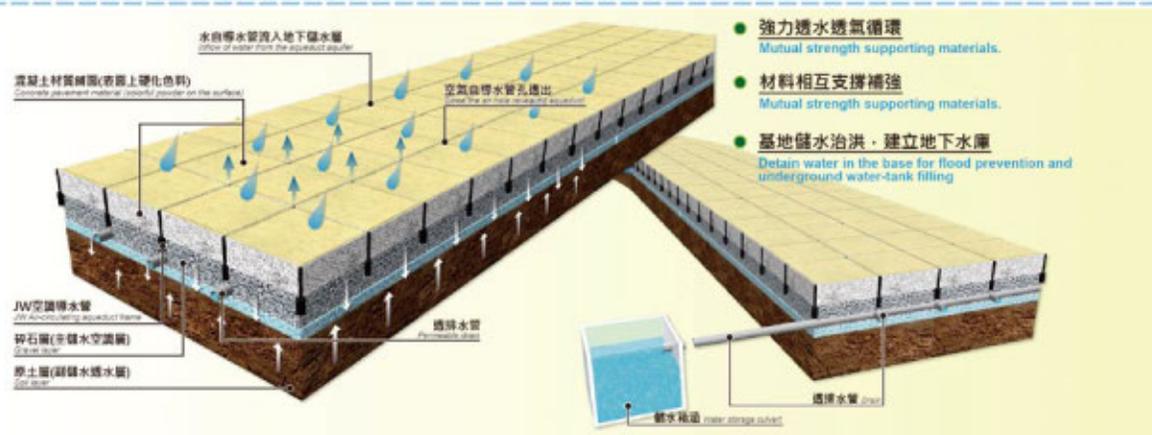
In 2014, as part of the green building program of Building K23, the load-bearing permeable pavement was constructed as the pedestrian walkway surrounding Building K23 and in the nearby green plaza provided to the public for leisure or gathering (in the Kaohsiung facility). The total length of the pedestrian walkway with the load-bearing permeable pavement is about 300 m and it covers a total area of 600 m². Underneath the load-bearing permeable pavement, permeable pipes (drain) within the gravel layer can direct rainwater into the

water storage culvert which further leads to an underground water recycling tank with a capacity of about 238 tons. The main goal is to control stormwater at the source, reduce runoff and improve water quality by filtering pollutants in the substrata layers.



Place the air/water-circulated aqueduct frame on the aggregate (crushed stone or gravel) subbase layer

JW生態鋪面循環系統 / JW Pavement Circulatory System



The finished load-bearing permeable pavement

* JW refers to the initials of the first name of the inventor, Jui-Wen Chen, of JW Eco-Pavement.

Energy Management and Conservation

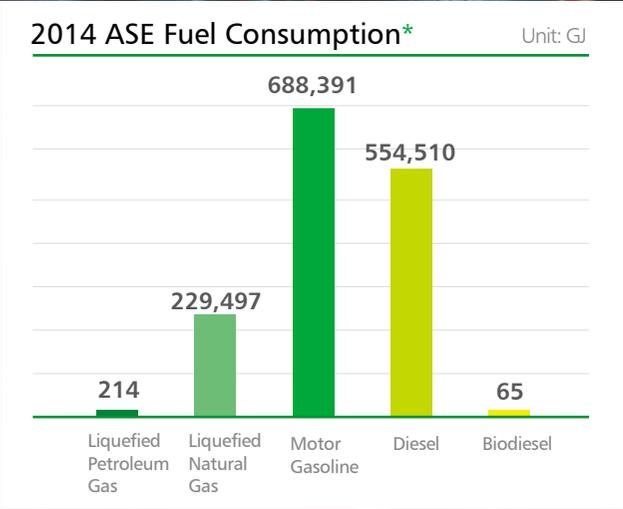
Our factories are mostly powered by electricity purchased from regional municipal power stations, and to a lesser extent we use some direct-use fuels such as natural gas, gasoline, and diesel.

Fossil Fuels

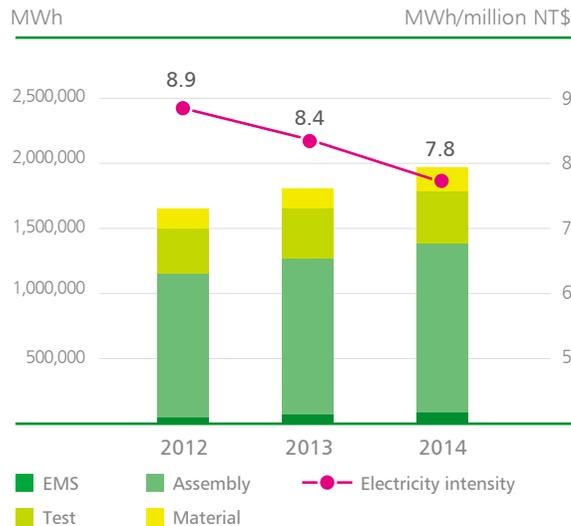
Fossil fuel usages are mainly for plant generators, forklifts, official vehicles, and boilers in living areas. When sorted by heat value (million kcals), the percentages for major fuel types from 2012~2014 were as shown in the table below. The major direct-use fossil fuel in 2014 was motor gasoline.

	2012	2013	2014
Liquefied Petroleum Gas	~0%	0.01%	0.01%
Liquefied Natural Gas	23.47%	12.95%	15.58%
Motor Gasoline	63.19%	38.07%	46.75%
Diesel	13.34%	48.97%	37.66%

* This data covers all ATM facilities and all EMS facilities except in Mexico & Jinqiao.



Externally Purchased Electricity



Electricity intensity is used as our energy usage indicator (MWh/million NT\$ revenue). We have reduced the overall electricity intensity by 12% in 2014 compared to 2012. The recent three year trend of electricity consumption* for Electronic Manufacturing Services (EMS), Assembly, Test and Material is demonstrated as below. As shown, the assembly operation occupied the most of the electricity consumption.

Beginning in 2012, our Kaohsiung & Chungli plants successfully implemented the ISO

* This data covers all ATM facilities and all EMS facilities except in Mexico & Jinjiao.

** This program is announced in 2014 in responding Taiwanese government's Green energy and carbon reduction policy under "Golden Decade National Vision – Sustainable environment"

*** In order to be able to neutralise a ton of CO2 emission, about 100 new trees should be planted.

50001 standard to manage and improve energy efficiency. This standard is based on a framework that incorporates energy management into daily organizational practices. Monthly energy management meetings are held to review energy consumption status and promote further energy conservation. In addition, our Kaohsiung facilities created an energy management information platform to monitor real-time energy consumption, and to provide daily use reporting.

Investing in Green Power and Clean Energy

The most meaningful option in GHG management is to migrate to non-carbon based sources of energy. Our power needs are considerable resulting from business growth, we see this as a viable future alternative to migrate away from carbon sources and reducing our GHG emissions overall.

Green Power Purchases

As of December 31st 2014, ASE was recognized as the largest voluntary corporate purchaser of green power in Taiwan under "Green Power

Pilot Program**" started on July 1st 2014 by Bureau of Energy, Ministry of Economic Affairs. We purchased 3,100 MWh of "accredited green electricity" sourced from renewable energy (mainly solar power and onshore wind power in Taiwan).

Our purchase helps reduce the CO₂ emission of about 1,600 tons equivalent to 160,000 trees*** planted. ASE's green power accomplishment show our commitment to strengthen energy-saving and carbon reduction, expand green industry and promote renewable energy installation and gradually achieve the win-win-win situation for energy supply, industry development and environment protection.

Solar Installations

In 2014, we had installed solar panels on the roof of ISE Labs' facility in Fremont, California, USA, a wholly-owned subsidiary of ASE. They collectively generate more than 387 MWh per year of clean solar energy, reducing GHG emissions by 202 tons compared to when the solar panels were not used.

ISE Labs installed 251.1 kW DC Solar PV system



Overall Energy Conservation Results

In 2014 we invested US\$10.96 million in energy conservation programs. Although our total electricity has increased relative to our growth, our conservation efforts have positively impacted our total consumption. There are 119 energy-saving projects implemented in 2014 and resulted in electricity savings of 52,171 MWh, equating 33,483 tCO₂e* saved, equivalent impact of reducing the CO₂ emissions from the annual electricity use of more than 14,900 Taiwan homes**.

Major Energy Saving Projects

Activity Type	Description of Activity
Processes	DI water recycling in sawing machine Add switch to reduce the gas usage Adjust water usage for vacuum pump to reduce indirect energy consumption
Building Services	Change to low energy consumption LED lightings Replacement of old chiller of air conditioning system Chilled water system optimization Replacement of old air compressor with more efficient one Add VFD (variable frequency drive) to chilled water system Solar panel installation

Energy Saving Projects by Area

	Number of Projects	Electricity Saving*** (MWh)
Taiwan	27	26,187
China	75	20,462
Others	17	5,522

* The CO₂ equivalent is calculated based on each facility's local electricity emission factor.

** The calculation is based on the household electricity consumption, 291 kWh, per month estimated by Taiwan Power Company in 2013.

*** This data covers all ATM facilities and all EMS facilities except in Mexico & Jinqiao.



ASE Kaohsiung
Add switch control to reduce gas usage



ASE Shanghai (Material)
Utilize central heating instead of burning natural gas



ASE Shanghai (A&T)
Change to low energy consumption LED lightings



ASE Suzhou
Heat recovery system from air compressor

Actively Sharing Experience with External Parties

In Aug. 2014, ASE and Taiwan's Bureau of Energy, Ministry of Economic Affairs, jointly held an Energy Saving Demonstration in our Kaohsiung facilities to share our energy-saving experience. More than 100 managers and engineers from 32 various companies participated in experience sharing.



Water Resource Management

Water is an essential source of life and ASE is conscientiously making efforts to ensure the conservation and preservation of our water resources. Municipal water is the main source* of water used for our business operation. In 2014, our total water withdrawal** was 18,548,558 metric tons, a 7.5% reduction compared to 20,045,441 metric tons in 2013. The reduction comes from our Kaohsiung, Shanghai (Assembly & Test), Shanghai (Material), Kunshan, Weihai, Korea and Japan facilities, wherein Kaohsiung facilities are major contributors. In continuous development of production capacity and expansion of manufacturing facilities, we reached an absolute reduction in water withdrawal. This performance is a significant milestone of our water resource management. In addition, our water intensity (m³/million NT\$ revenue) in 2014 was 72.3, a reduction of 18% compared to 88.7 in 2012.

Our water management program is based on three approaches: reduce, reuse & recycle. We reduced water consumption by using water-saving taps, water saving devices, and water-saving toilets. We reused the wastewater

* All water sources are provided by municipal water providers, with the exception that 50,221 tons ground water was used by our factories located in Nantou, Taiwan.

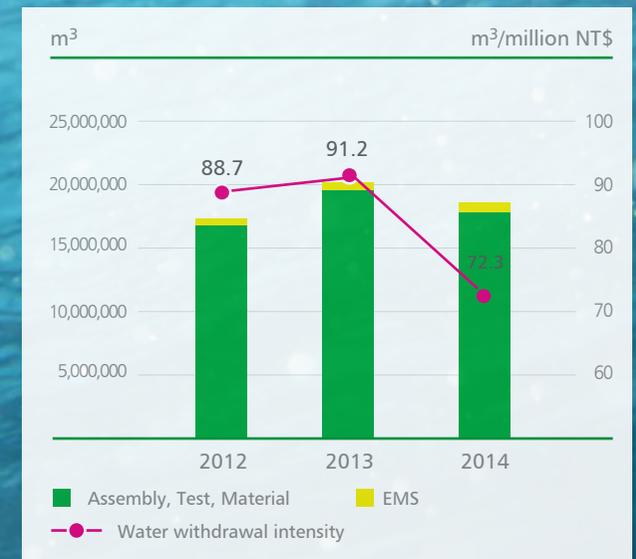
** This data covers all ATM facilities and all EMS facilities.

from water purifiers for our cooling towers and scrubbers, and collect the rain water for watering of trees and plants. For instance, we recycled water from dicing and backside-grinding equipment by using water purification system and in-process water recycling system.

In 2014, we internally recycled approximately 9,968,002 metric tons of water (equivalent to about 54% of our total water withdrawal for the year), an increase of about 26% compared to 7,888,780 metric tons in 2012.

Our major water saving measures are listed as following.

- Recover backside-grinding wastewater through ultra-filter (UF) system.
- Establish Chemical Mechanical Planarization (CMP) wastewater recycle system.
- Reclaim water from Reverse Osmosis Reject (ROR) wastewater recycle system.
- Recycle condensed water for cooling tower use.
- Reuse of wastewater from pure water system for vacuum pump in cooling tower.



Water Recycling Plant in Kaohsiung

We invested about NT\$750 million (US\$25 million) to complete Phase 1 of the water recycling plant K14, at the Nantze Export Processing Zone in Kaohsiung. This is Taiwan's first water recycling plant capable of treating 20,000 metric tons of wastewater and producing at least 10,000 metric tons of purified recycled water daily. Test-run of the water recycling plant was conducted in January

to Mar 2015, and the official operation is scheduled in April 2015. In the next phase, we will invest another NT\$400 million to increase K14's capacity to handle 40,000 metric tons of water per day. When K14 (Phase I) operates at full capacity, our Kaohsiung facilities' wastewater discharge will be reduced by more than 3.6M metric tons per year, which is equivalent to 1,440 Olympic-sized swimming pools of water. The K14 centralized recycling plant is a testimony to our efforts to harvest

recycled water for reuse in semiconductor manufacturing.

In the next phase, we will invest another NT\$400 million to increase K14's capacity to handle 40,000 metric tons of water per day. In addition, we plan to use the recycling plant K14 for educational purposes and avail the site for guided tours as part of our water conservation and sustainability program.

Phase I : NT\$ 750M

Daily Capacity : **20K tons** wastewater
Daily Recycling: **10K tons** purified water

Wastewater Discharge Reduction : **3.6M tons / year**
(\approx 1,440 Olympic-sized swimming pools of water)

Kick-off: **Jan '13**
Try-run: **Jan-Mar '15**
Operation: **Apr '15**



Phase II : NT\$ 400M

Daily Capacity (total) : **40K tons** wastewater
Daily Recycling (total) : **20K tons** purified water

Wastewater Discharge Reduction :
7.2M tons / year
(\approx 2,880 Olympic-sized swimming pools of water)

Operation: **2017H1**



2013H1

2013H2

2014H1

2014H2

2015H1

2015H2

2016

2017H1

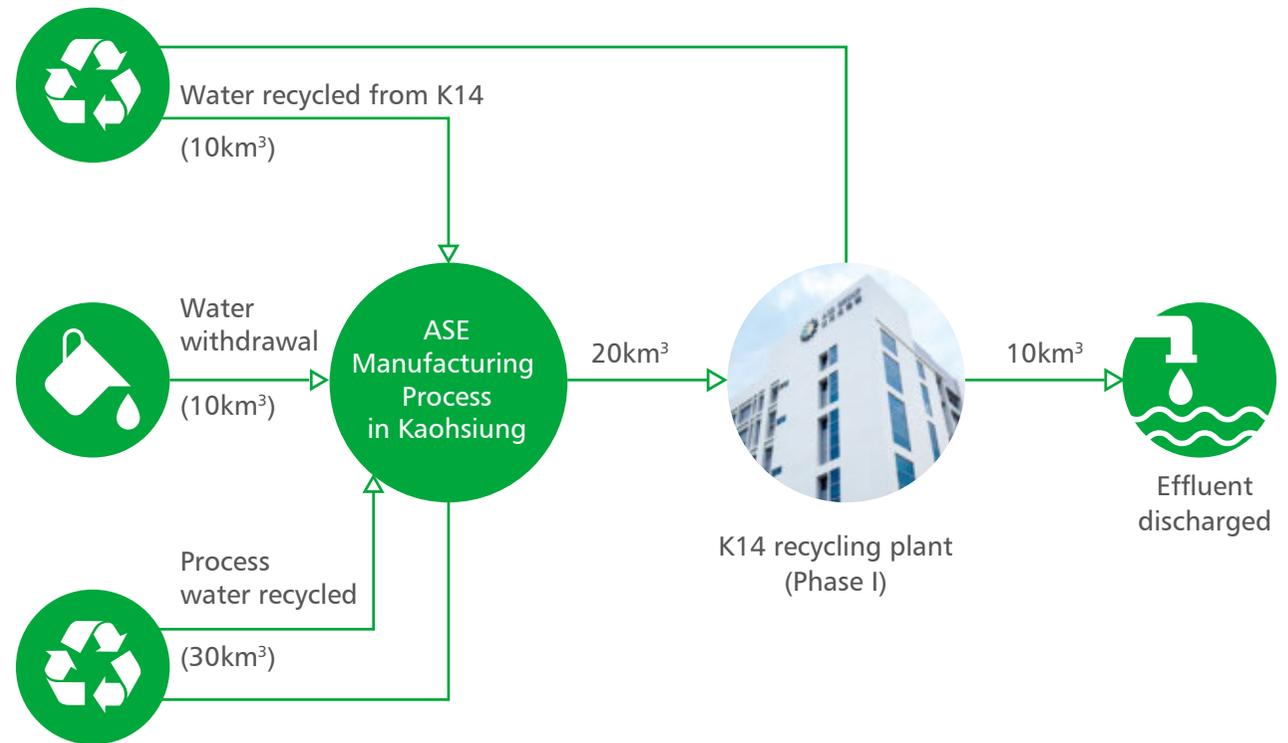
Wastewater Recycling Process

Our recycling plant K14 employs a multi-stage water treatment system, Biological activated carbon and multi media filter (MMF) to remove suspended solids, COD (chemical oxygen demand) and other pollutants. The treated water goes through Ultra-filtration (UF) and Reverse Osmosis (RO). RO is a proven water purification technology that uses to remove large particles of contaminants from treated water.

K14 Recycling Plant will help to improve Kaohsiung facilities' Internal Recycling Rate to 80% in the future

Our recycling plant K14 can further recycle 50% of the treated wastewater discharged from each plant within the Kaohsiung facilities. With that, we will be able to attain an overall internal recycling rate of 80%, i.e., 40k metric tons of water (accounting for 80% of the overall daily water needs of Kaohsiung (50k metric tons)) are recycled through our green buildings and K14 recycling plant, further reducing the final discharged effluent to only 10k metric tons. ASE Kaohsiung facilities' future daily water footprint.

ASE Kaohsiung Facilities' Future Daily Water Footprint



Pollution Prevention

ASE strives to reinforce and improve the measures of pollution prevention on waste water, solid waste, air pollution and noise. Our pollution prevention is based on the ISO 14001 environmental management system, and uses the "Plan-Do-Check-Act" management model to promote continuous improvement.

Wastewater Management

The wastewater at all our factories is processed by appropriate sewage treatment facilities. The effluent water quality conforms to current regulations and is regularly tested to ensure that it has no significant environmental impact on the surrounding water bodies. Substantial investments have been made to replace and upgrade the efficiency of this infrastructure. In 2014, ASE has invested a total of NT\$514.3 million to the wastewater management of Kaohsiung facilities, an increase of 92% as compared with NT\$266.5 million in 2013. In Chungli facilities, our accumulated investment in the wastewater management was NT\$500 million and we will invest another NT\$250 million in enhancing our in-process water recycling capacity.

We conducted offsite sampling and analysis of our effluent quality quarterly* (as below) to ensure our operations in compliance with regulated standard.

Item	Unit	Taiwan		China		Japan**		Korea		Malaysia	
		Effluent Standard	Average								
pH	pH	6~9	7.53	6~9	7.49	5.8~8.5	7.11	5.8~8.6	7.2	5.5~9.0	7.14
COD Concentration	mg/L	<100	52.93	<500	46.27	-	-	<90	4.8	<200	26.87
BOD Concentration	mg/L	<50	35.11	<300	19.66	<25	1.03	<80	4.5	<50	6.80
Suspended Solid(SS) Concentration	mg/L	<30	12.11	<400	26.85	<60	5.06	<80	1.3	<100	4.80
Cu ²⁺ Concentration	mg/L	<3	0.19	<1	0.12	<1	-	<3	0.1	<1	0.20
Ni ²⁺ Concentration	mg/L	<1	0.08	<0.5	0.03	-	-	<3	-	<1	0.06

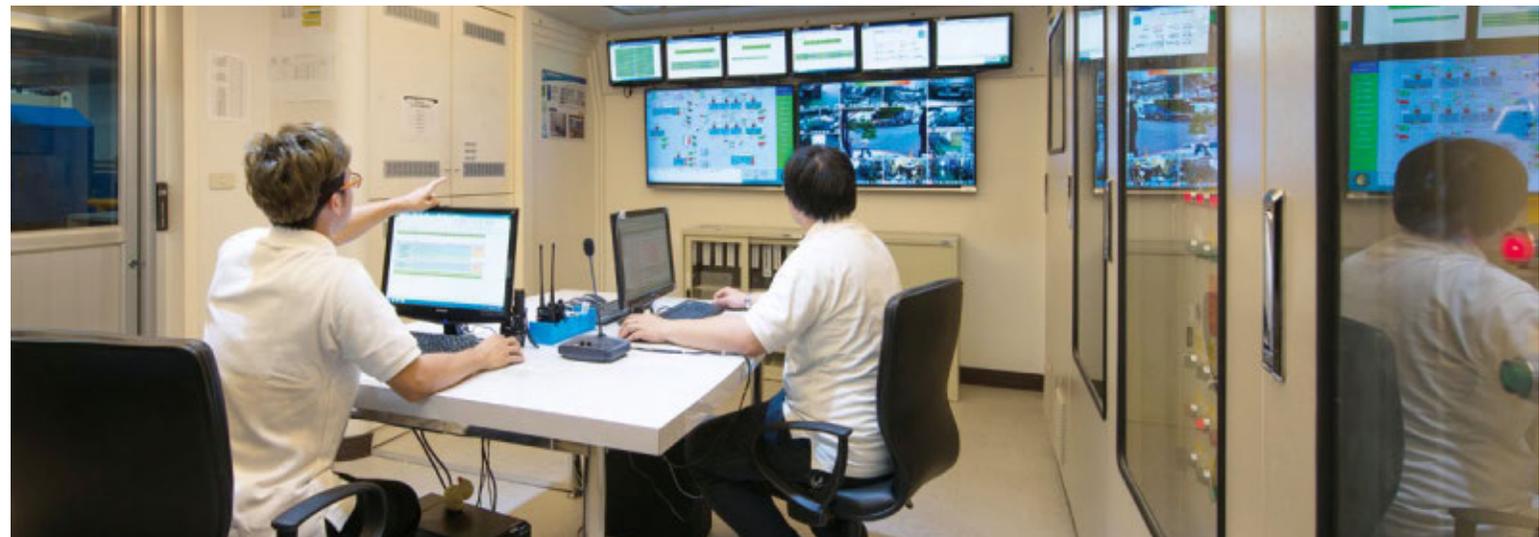
* ISE Labs, ASE Singapore, ASE Nantou and 3 EMS facilities (Kunshan, Shenzhen and Mexico) have no related data since they have no on-site wastewater treatment.

** ASE Japan complies with Yamagata Prefecture's effluent standard.

Over the course of the year 2013, we had several waste water infractions including one in our main facility due to a short lapse in our standard operating procedures. Specifically, our operations involving wafer-level process where nickel is used and require wastewater treatment at our K7 Plant have been subject to scrutiny by the Environmental Protection Bureau of Kaohsiung City Government and the Kaohsiung District Prosecutors office as a result of an alleged wastewater disposal violation that occurred on October 1, 2013. This infraction exposed the need for more efficient systems and stronger operating procedures.

We have been actively working with the Environmental Protection Bureau of Kaohsiung City Government and implemented improvement plans to enhance our wastewater discharge processes since this incident. Following a series of examinations, hearings and trial runs as ordered by the Environmental Protection Bureau of Kaohsiung City Government during 2014, in December 2014, the Environmental Protection Bureau of Kaohsiung City Government lifted the suspension order and approved the full resumption of operation of our K7 Plant. Specifically, we respectively deployed a SCADA (supervisory control and data

acquisition) system in Chungli and Kaohsiung facilities to monitor various indices from our wastewater treatment operations including the concentrations of COD, SS, Cu/Ni, TOC and pH levels. This system allows us to trigger immediate responses to any area of malfunction thereby preventing any damaging exposure to the environment. In addition, we have installed a Water Discharge Monitor System at our Kaohsiung facilities' wastewater discharge point to continuously monitor the effluent water quality. When abnormal water quality is detected, the monitor system can immediately notify responsible personnel to take corresponding actions to avoid violations



ASE's Waste water Control Center is equipped with real time waste water control & monitoring systems.

as well as prevent environmental pollution. When effluent quality exceeds the regulatory standards, the system will, in accordance with standard operating procedures, automatically turn off the pump at the wastewater discharge point thereby ensuring no unqualified water discharged and no damage to the environment.

To enhance data transparency, we installed LED monitor screens at the main visitor entrances of our K5, K7, K9, K11, K12 plants. The LED monitor screen publishes the current data* of the key effluent water indices measured within the plant, assuring the public visitors of the

measures that we have undertaken to ensure regulatory compliance. In addition, effluent water indices of K5, K7, K11, K12 plants are published on our Kaohsiung facilities' web site; furthermore, the K7 Plant's effluent water indices are also published on the website of the Environmental Protection Bureau of Kaohsiung City Government. The publishing of these data to the public is an integral part of our commitment on the environmental protection through public inspection and regulatory supervision.

To ensure responsible water management, it is critical to deploy well trained and qualified

personnel to manage the operations. In 2014, ASE Kaohsiung and Chungli facilities have increased our headcount in the Environmental, Health, and Safety (EHS) Department by twofold and established training programs for the EHS staff.

We continue to work on environmental issues through collaboration with experienced consulting firms and renowned universities to develop effective and environment-friendly solutions. Our target is to become industry's leading company in wastewater treatment and water resource management.



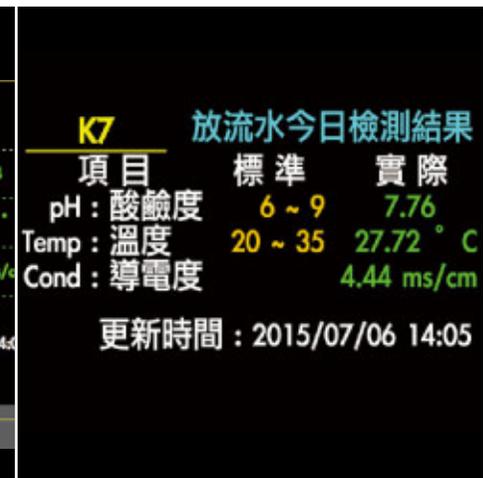
Overview of ASE Kaohsiung facilities discharge status



LED monitor screen showing the key effluent water indices



ASE K7's effluent water indices published on Kaohsiung facilities' webpage



ASE K7's effluent water indices published on the Environmental Protection Bureau of Kaohsiung City Government's webpage

Waste Management

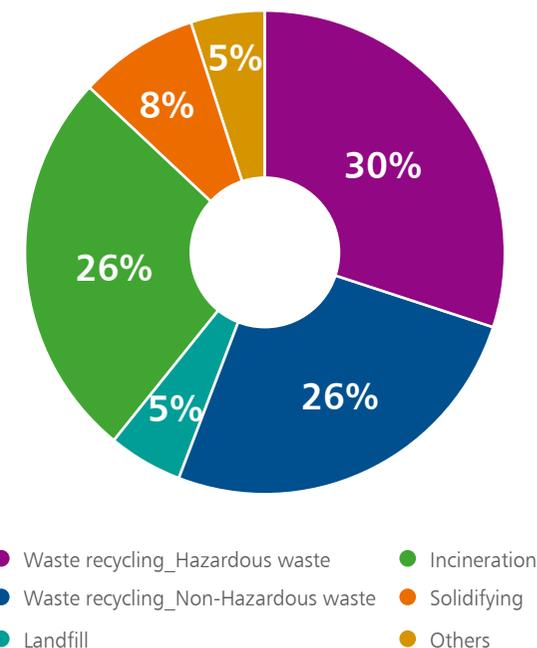
We have a comprehensive mechanism in place for waste disposal and recycling. General waste is transported to government designated garbage incinerators and landfill sites by approved garbage disposal companies. Industrial and hazardous waste like electronic waste and solvents are sorted, collected, and handed over to locally approved waste treatment companies. In 2014, 46,300 ton of waste* is generated and 50% was industrial hazardous waste. Of all waste, 56% is recycled (including 30% of hazardous waste and 26% of hazardous waste), 26% is incinerated, 5% is buried in landfills, and 8% is solidified.

For waste reduction, we have adopted an eco-design approach to reducing the amount

of waste we produce. Examples include lightweight IC design which reduces the amount of plastic waste. We are also reducing pollution and initiating waste recycling by reducing the volume of wastewater treatment plant sludge through dehydration, recycling of waste liquids from electro-plating machines, and discouraging the use of disposable cutlery.

The total amount of waste recycled by our facilities in 2014 was 25,669 tons which represents a total waste recycling rate of 55%, of which 33.7% was chemical waste, 27.6% package material, 9.5% sludge, 4.5% iron and aluminum, and 24.7% were miscellaneous.

* This data covers all ATM facilities and all EMS facilities except in Mexico.



Computer Recycling

We collect and recycle all of our used or obsolete notebooks, computer mainframes, monitors and peripherals. At our Kaohsiung facility we collaborate with Asus Computer Company in a "PC Recycling" project to repair and refurbish these computers and donate them to rural schools and disadvantaged groups, fulfilling both the environmental and charity ideals of the company.

Recycled Items	2013 Annual Quantity (sets)	2014 Annual Quantity (sets)	2009-2014 Accumulated Quantity (sets)
PC	1,507	3,246	11,494
Notebooks	197	794	3,126
CRT monitors	778	1,040	8,991
LCD monitors	649	812	3,728
Others	918	3,890	5,192

Air Pollution Control

In 2014, we conducted a census on regional air pollution sources and installed equipment with US\$ 4.5 million to optimize our air pollution prevention measures. The equipment is set up with multiple redundancies so that no untreated emissions will be released into the atmosphere in the event of any equipment failure. We also adopt ozone scrubbers to treat volatile organic compounds (VOCs) emissions, the main source of air pollutants from our factory processes. In addition to reducing the amount of wastewater produced by the ozone scrubbing process, the high efficiency of ozone scrubbers ensures that our VOC emissions are at concentrations far lower than the regulatory limits.

In 2014, we had several air pollution infractions related to "air pollution prevention & control measures not in accordance with the regulatory permit". Our future plan toward air pollution management will focus on material control, efficiency enhancement, equipment improvement and replacement to minimize our emission of VOCs and other air pollutants and to meet regulatory standards.

In 2014, the amounts of air pollutants generated from ASE are listed below. We generated 250 tons of VOCs, an increase of

55% as compared with 161 tons in 2013. The increase was caused by our capacity expansion of the existing plants as well as new production facilities. Our 3 year improvement plan starting from 2015 for air pollution management is focusing on the following areas to reduce our emission. Our future plan for air pollution management will focus on the following areas to reduce our emission.

- Raw Material usage control to comply with regulation.
- High-VOC material usage reduction and possible substitution of low-VOC material.
- Weekly equipment efficiency measurement and improvement to enhance air pollution control equipment.
- Introduction of high efficiency VOC treating equipment (e.g., regenerative thermal oxidizer and active carbon system) into our existing and new facilities.

Unit: ton

Air pollutants	2013	2014
SOx	4.52	3.85
NOx	9.91	4.88
VOC	161	250
Ozone-depleting substance (ODS)	0.03	0.02

Noise Control

We perform perimeter noise monitoring regularly at our facility. Over the last year, there was no record of exceeding regulatory limits.



Green Manufacturing

The trend towards producing high-performance, eco-friendly and energy saving products has brought about the demand for green manufacturing. ASE strives to provide green manufacturing services that reduce pollution and waste by the efficient use of natural resource use, hazardous substances management, and reducing emissions. In addition to high production efficiency and low cost, environmental friendly considerations are introduced in the continuous process improvement as well as in new product development.

Material Management

The first step in developing products with low environmental impact is choosing the eco-conscious materials, which is the key component of sustainable product design. ASE supports a conscious approach to the materials that we use in our products and seeks alternatives for hazardous materials.

Green Material Usage & Development

ASE currently offers an extensive list of standard products in lead free and halogen-free package product. We have collaborated with major suppliers to develop lead-free solder, lead-free leadframe, low-halogen molding compound and lead-free/low-halogen substrate. In 2015 & 2016, we plan to work with suppliers and academic institutes to develop low VOC emission materials and biodegradable materials.

Hazardous Substance Process Management (HSPM)

To meet the goals of creating green products and a green environment, we adopted the Hazardous Substance Process Management. Included under the HSPM are: the management of 1st tier suppliers, the setting of hazardous substances control indicators, data collection, appropriate testing & reporting, management reviews and timely updates to the latest legislative and customer requirements. We are IECQ QC080000 certified, and the certification helps to ensure that our products comply with regulatory and customer requirements, including: EU

Restriction of Hazardous Substance (RoHS), J-MOSS, JIS C 0950, Halogen-free electronic products, Perfluorooctane Sulfonates (PFOS) restriction standard, EU Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), and EU Waste Electrical and Electronic Equipment (WEEE). In addition, we were certified as a SONY Green Partner since 2003.

We have set up an ISO/IEC 17025 certified internal laboratory that is capable of testing lead (Pb), cadmium (Cd), hexavalent-chromium (Cr6+), mercury (Hg), polybrominated biphenyl (PBB) and polybrominated diphenyl ether (PBDE) to ensure that the products that we provide are in compliance with international standards/regulations and customers' requirements. We have set control standards of 40 hazardous substances for green product, which is more comprehensive than the requirements set by all international standards. Although there are still a small number of customer demand for non-ROHS compliant products, we continue to move towards the goal of becoming fully RoHS compliant. Shown on the table below is the ratio of RoHS Compliant products shipped in 2014.

2014 RoHS Compliant Product Shipment Ratio at our Factories*

ASE Kaohsiung	ASE Chungli	ASE Shanghai (A&T)	ASE Shanghai (Material)	ASE Kunshan	ASEN	ASE Weihai	ASE Korea	ASE Japan	ASE Malaysia	ASE Nantou	ASE Wuxi (Tongzhi)	USI
99.9%	100%	99.9%	100%	100%	100%	95.0%	99.4%	100.0%	99.2%	100%	100%	99.9%

* ASE Singapore and ISE Labs have no related data since they are IC testing facilities.

Green Process

In situations where we use less sustainable materials due to cost consideration or customer preferences, we take steps (i.e., wastewater control, waste gas control, and waste toxic chemical control) to ensure that they are handled safely from the time they enter our operations until they are properly disposed of or recycled. We also try to increase product sustainability by reducing material variety that increases recyclability and decreases manufacturing energy.

Recyclable & Reusable System Build-up

We strive to build up our material recycling system which not only reduce the environmental impact but also provides significant savings on material costs. Since 2010, we had saved at least NT\$ 100 million per year through our recycling of gold from our electroplating solution. In 2015 & 2016, we plan to recycle other components from electroplating solutions and conduct waste component recycling.

Optimization of Material Lifetime Control

Optimization of material lifetime control not only help reduces the waste discharge frequency but also provides significant savings on material costs. In 2014, we have successfully extended the lifetime of our film strippers and developers by at least 50%, respectively. In 2015 & 2016, we plan to optimize the lifetime control of plating solutions.



Environmental Impact Evaluation

The product carbon footprint, water footprint, or other environmental impact footprints are important indicators in the environmental performance of products in their entire product life cycle.

We established a database for monitoring the GHG emission levels and later incorporated the ISO14040 LCA (Life Cycle Assessment) techniques to assess environmental impacts from four major assembly products – leadframe, BGA, CSP and flip chip package types, and substrates.

We actively involve our supply chain in promoting the guidelines for measuring product footprint across its life cycle. In 2012, ASE became the first semiconductor packaging and testing provider to receive water footprint accreditation.

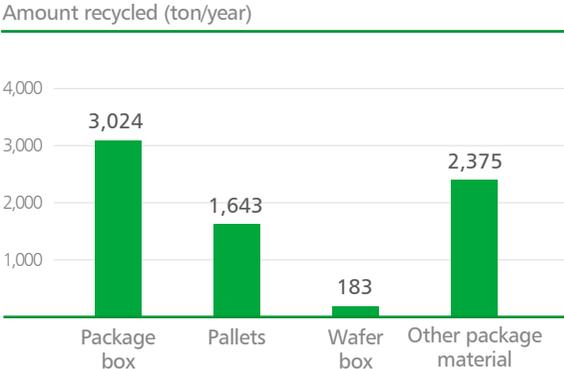
We adopted ISO 14067 (PAS 2050) standards for measuring the carbon footprint of our goods and services; mainly our leadframe, BGA, CSP and flip chip package types, throughout their full lifecycle. In 2009, ASE

became the first semiconductor packaging and testing provider to receive verification for ISO 14067 (PAS 2050) standards and we also separately assessed the carbon footprint of gold wire and copper wire products.

Green Packing Materials

All of the packing materials that we use are made from recyclable materials. We discourage customers from using packing materials made of PVC. In addition, we have reduced the consumption of natural resources through the process of sorting and recycling packing materials.

Statistics of Packing Material Recycled in 2014



Environmental Expenditure

Environmental expenditure is essential for a corporation's environmental management and operational decision-making. To calculate ASE's sustainable development spending, in 2010 we adopted the Taiwan Environmental Protection Administration's "Industry Guidelines for Environmental Accounting" and classified ASE's environmental expenditures into categories in accordance with the nature of costs incurred. ASE's total environmental expenditure for 2014 amounted to US\$161.9 million. Apart from the amount of US\$93.5 million in green building construction, other environmental expenditures amounted to US\$68.4 million, with capital expenditures and recurring expenditures accounting for 65% and 35% respectively.

Among all capital expenditures in 2014:

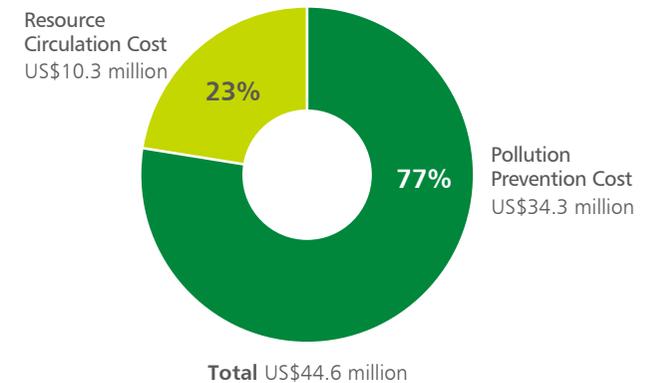
- Pollution prevention cost was 77% of total capital expenditures, and includes the cost for water pollution prevention including the investment on wastewater treatment plant, equipment, and maintenance etc.
- Cost for enhancing resource circulation accounted for 23% of total capital expenditures as the result of energy-saving and water recycle projects implemented in 2014.

Among all recurring expenditures in 2014:

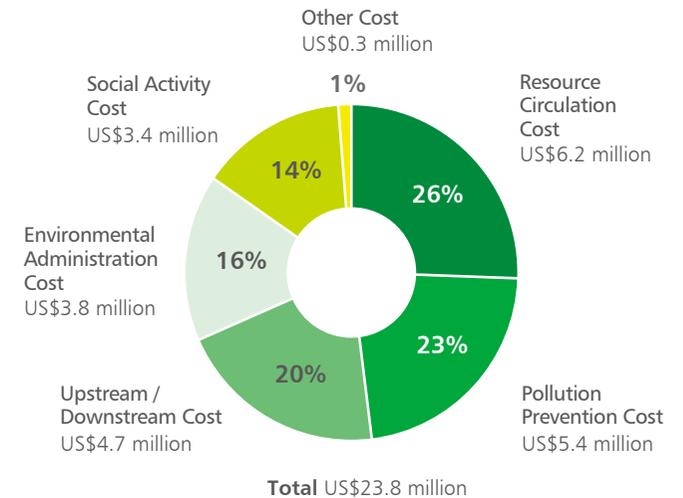
- Resource circulation cost took first place (26%) owing to the cost for disposal of municipal waste and industrial waste.
- Pollution prevention cost (23%) was comprised mainly of spending on equipment maintenance and chemicals used in wastewater disposal.
- Upstream/downstream cost (20%) consisted largely of cost to purchase low environmental impact products.
- Environmental administration cost (16%) mainly included spending on monitoring and measuring environmental impact and acquisition of external environment licenses/certification.
- Social activity cost (14%) of US\$3.4 million (NT\$100 million) was the funds committed by ASE, through ASE Cultural & Educational Foundation, towards the environmental protection in Taiwan.

In an effort to promote environmental protection, our estimated environmental capital expenditures for 2015 will be approximately US\$30.1 million. The Board of Directors have resolved in January 2015 to contribute US\$3.2 million (NT\$100 million) through ASE Cultural & Educational Foundation for environmental projects in 2015.

2014 Capital Expenditure



2014 Recurring Expenditure



Green Bond

A corporate green bond is a financial instrument offered by companies to utilize its proceeds for funding projects that have positive environmental and climate benefits.

In July 2014, the ASE Group issued Asia's first corporate Green Bond through its subsidiary Anstock II Limited. The US\$300 million three-year senior offering demonstrates ASE's commitment on our transition to low-carbon and climate resilient growth. In January 2015, ASE's Green Bond was awarded Country Deals of the Year 2014 by Asiamoney.

Our key objective is to ensure the protection of the environment through our Sustainable Development Management Program which encompasses Green Buildings, Energy Efficiency Enhancement Projects and Water Recycling Projects. Through these projects, we aim to reduce energy consumption, GHG emission and to prevent water pollution.

The proceeds raised via the Green Bond have been and will be invested in projects meeting high environmental standards. ASE has selected the Eligible Projects using a framework

reviewed by HSBC bank, Skandinaviska Enskilda Banken AB, and CICERO (the Center for International Climate and Environmental Research – Oslo). The Eligible Projects are classified into five categories including certified commercial properties for new construction and renovation of existing buildings, energy efficiency in manufacturing processes to reduce power consumption, waste management, water management, and green product development. In addition, the cash flow of the Eligible Projects has been reviewed by an independent audit firm.



As of December 31, 2014, the proceeds from the Green Bond were used to finance the following projects:

Location	Projects	Property	Investment US\$ M (from 2012 to 2014)
Kaohsiung	Green Building	K12	51
	Green Building	K21	52
	Water Management	K12	3
	Water Management	K14B	19
	Water/Air Management & Energy Efficiency System Upgrade	Multiple	8.6
Chungli	Green Building	K&L	112
	Water Management	Multiple	3.4
	Energy Efficiency	K&L	0.6
	Green Product Development	Multiple	0.1
Total			249.7
Percentage Used			83%

For more details, please refer to ASE Green Bond Investor Letter via our website at: www.aseglobal.com.



EMPLOYEE CARE

Employees are the company's most critical resource. In order to ensure their well-being, we continue to build a comfortable and safe working environment and to enhance health and educational benefits for them. Our major manufacturing facilities (Kaohsiung and Chungli) have been awarded the SA8000* certification.

* SA8000 is the most widely recognized global standard for managing human rights in the workspace.

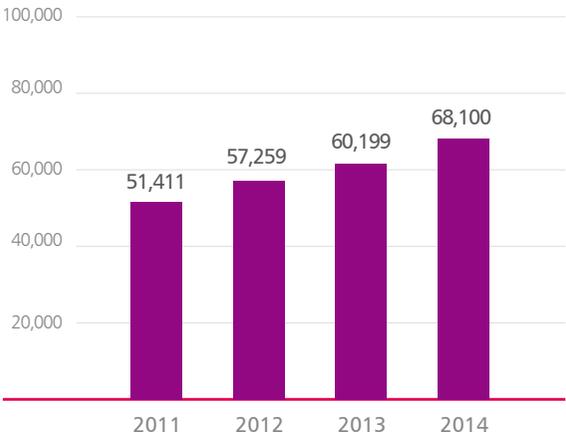
Employee Recruitment & Structure

Our recruitment policy is based on the non-discrimination of race, gender, nationality, religion, political affiliation or age. We do not employ any child labor. Employees' rights are protected under each country's labor laws.

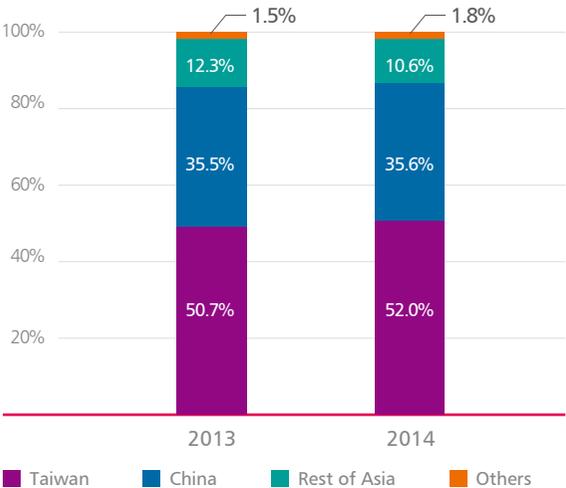
ASE Global Workforce

As of December 31, 2014, ASE Group has over 68,000 employees worldwide, approximately 51% of whom were female. In terms of geographical distribution, most employees work in Taiwan (52%) and China (36%). Our workforce is highly educated, with over 52% of our employees holding bachelor's degrees or above. We hired 359 disabled persons by end-2014, a 19% increase compared to 301 in 2013.

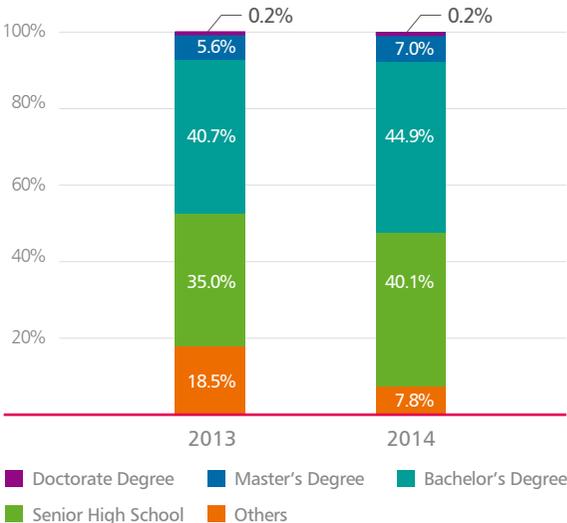
ASE Group Total Employee Numbers (2011~2014)



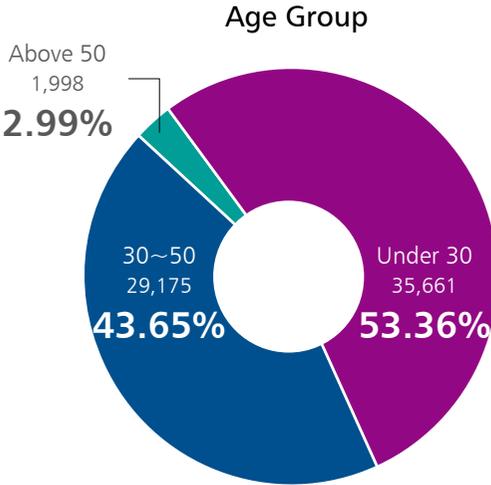
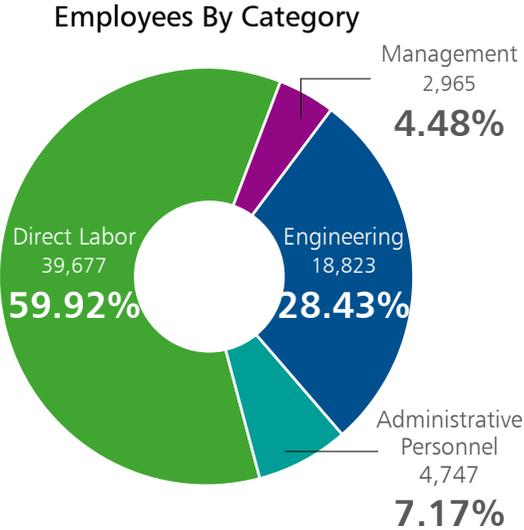
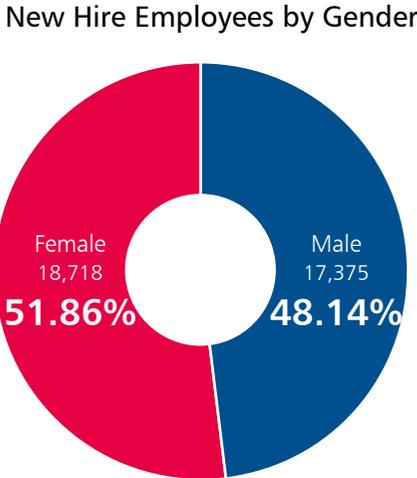
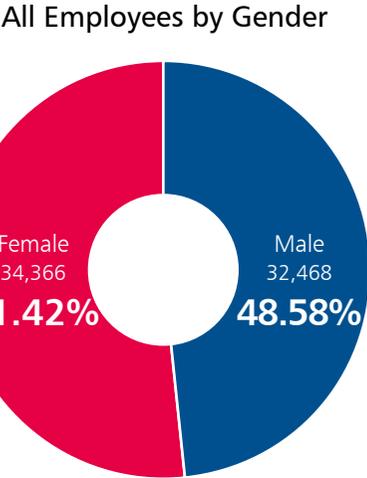
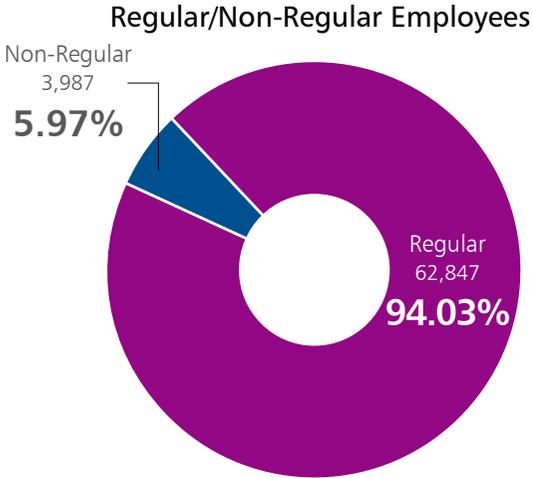
Geographical Distribution



Educational Background Distribution



Workforce Structure*



* The workforce data covers all of our manufacturing facilities, but excludes our sales, administrative and other offices located in North America, Europe and Asia.

Retention, Compensation & Welfare

Employee retention provides ASE with a highly skilled and experienced workforce and in order to encourage retention, ASE conducts regular evaluations, research and benchmarking studies on competitive compensation and welfare for employees.

Incentive Compensation

ASE's comprehensive compensation includes base salary, allowances, bonuses and profit sharing. We are committed to offering competitive and fair compensation (no discrimination of gender, race, religion, or age) which we review regularly on the basis of comparative market surveys. Our performance-driven approach is reflected in our compensation systems which reward excellence measured in relation to meeting the business targets. The profit sharing program is a cash bonus program that pays cash awards to top performers each month based on the company's performance since year 2006. As part of the annual employee bonuses in 2014, our packaging, testing and materials (ATM) business group provided 9.6% profit to employee based on the bonus allocation system and employee's individual contribution.

In 2014, the average turnover rate* of direct labor was 5.28%, and 1.68% for indirect labor**.

2014 Employee Average Turnover Rate by Area

Average Turnover Rate	Taiwan	China	Rest of Asia	Others
Direct Labor	2.72%	10.02%	1.80%	6.15%
Indirect Labor	1.18%	2.55%	1.52%	1.30%

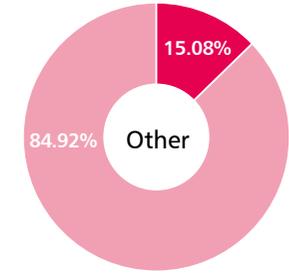
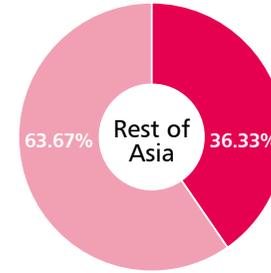
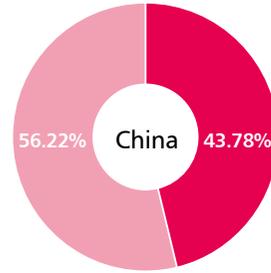
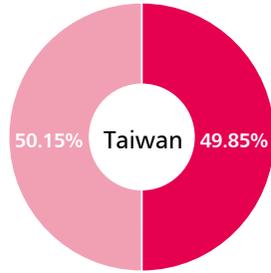
* Average turnover rate = [(Number of Resignations of employees in 2014)/12]/(Total number of employees at the end of 2014)

** Indirect labor is defined as any other regular employees other than direct labor (i.e., front-line factory workers)

Turnover Statistics*

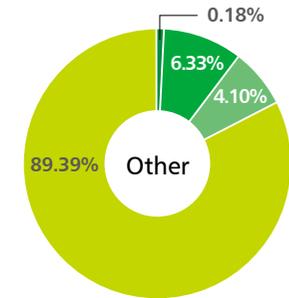
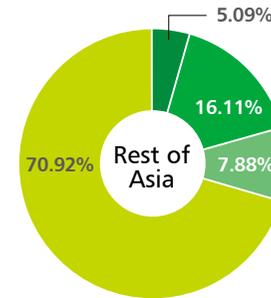
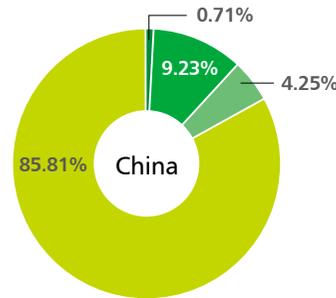
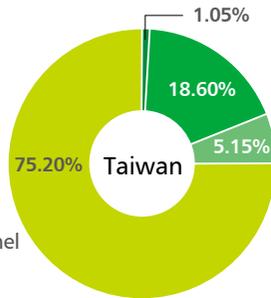
Gender

- Male
- Female



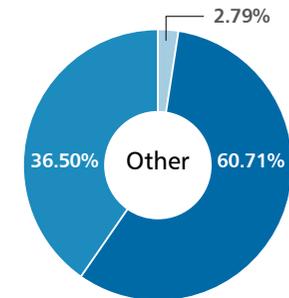
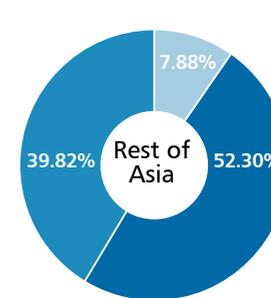
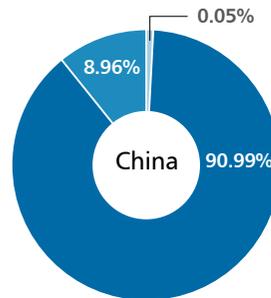
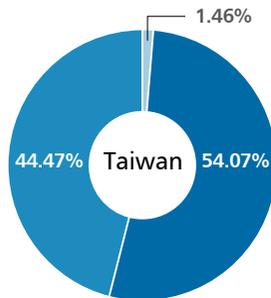
Employee Category

- Management
- Engineering
- Administrative Personnel
- Direct Labor



Age

- Under 30
- 30~50
- Above 50



* The turnover data covers all of our manufacturing facilities worldwide, but excludes our sales, administrative and other offices located in North America, Europe and Asia.

Employee Welfare

ASE is committed to providing a comfortable and diverse environment that is conducive to employees' work and development. Our facilities in Taiwan Kaohsiung/Chungli/Nantou, Korea, Malaysia, Suzhou, Weihai, ISE Labs and USI have special private rooms for nursing moms. In addition, many of our facilities have parking spaces reserved for pregnant women. All employees are entitled to maternity, paternity and parental leave. The Labor Pension Fund Supervisory Committee was established

by ASE to implement labor pensions in accordance to labor laws on retirement. ASE Kaohsiung provides free annual medical checkup for retired employees. ASE Shanghai, Kunshan and Japan factories also offer retired employees subsidies for medical care and health insurance.

In addition to the insurance and pension contribution required by law, ASE also offers employee the following benefits:

- Free life & health insurance (covers disability & invalidity insurance) for employees and their dependents
- Bonuses, stock options and cash dividends
- Subsidies for marriage, bereavement, hospitalization and scholarships
- Comprehensive retirement scheme (Retirement provision and retirement consultant service)
- Employee health exam
- Company trips and travel insurance for business trips

Statistics Regarding Parental Leave

	Gender	Taiwan	China	Rest of Asia	Others	Total
Entitled to Parental Leave (Employee No.)	Male	2135	374	88	1	2598
	Female	1879	572	604	17	3072
Parental Leave Took (Employee No.)	Male	74	49	33	1	157
	Female	395	107	135	17	654
Return Rate	Male	35.13%	100%	100%	100%	69.43%
	Female	63.79%	90.65%	51.85%	100%	66.67%
Retention Rate*	Male	100%	100%	100%	100%	100%
	Female	73.41%	96.91%	74.29%	100%	79.82%

* Retention rate = No. of applicants returning to work for one full year after infant-care leave/Total number of employees returning to work after parental leave.

Friendly Workplace



Baby Nursing Room



Pregnant Parking Spaces



Gym



Massage Center



Bright Restaurant

Dormitory for Foreign or Non-local Employees

ASE hires a significant number of foreign workers and provides subsidized accommodation as part of their welfare. Our dormitory in Weihai, China received "The Model Dorm in the Export Processing Zone" accolade from the local Chinese government. In 2014, we plan to spend around NT\$1 billion (US\$31.6 million) to build a new dormitory in Kaohsiung to house our growing number of foreign employees. The dormitory will provide accommodation for 3,000 peoples in 2016.

Balanced, Diverse Work Life

We established an Employee Welfare Committee to provide employees various recreational services, including employee birthday gift, retirement gift, travel activities, employee meals and relaxation activities during their leisure time. As part of ASE's 30th anniversary in 2014, we organized a series of fun activities for employees and families, like parent-child painting contest, marathon, dragon boat race, handwriting competition, poetry writing, talent time and cheering team competition.

Employee Happiness Project

ASE Chungli established a day care center that provides an easy access for employees to leave their young children while they work. In 2014, we invested US\$253,000 to renovate a 600 square feet sports plaza for the children. ASE Kaohsiung and USI-Shenzhen specially arranged association activities for our employees who are single. We hope to create more opportunities to enable our employees to socialize with each other in a healthy and fun environment.



ASE Dormitory in Shanghai



ASE Spiderman Lead to Run



ASE Handwriting



Cheerleading Competition



Parent-child Painting



2014 ASE Marathon



Dragon Boat Race



Talent Time

Training and Development

People at ASE grow by continuously learning – on the job, in the classroom, and by working with others. Our goal is to empower our employees to build meaningful and rewarding careers throughout their years at ASE. We provide reimbursement of tuition expenses for obtaining a degree in the employees' field of work. In 2014, our employees obtained 124 degrees under the tuition reimbursement program. The average number of training hours in 2014 of male employees was 87 hours, 95 hours for female employees, 39 hours for new staff, 109 hours for direct employees, and 26 hours for indirect staff*.

Training Program at ASE

ASE offers learning and development programs within the ASE 6 training paths that focused on 3 areas-Professional & technical excellence, Management & supervision, Leadership & executive development.



* Indirect staff is defined as any other regular employees other than direct labor (i.e., front-line factory workers). returning to work after parental leave.

Employee Communication

We keep employees informed and engaged through regular and effective communication in relevant and timely manner. We have set up open channels of communications to let employees be kept up to date with key information about the company and to use these channels to submit their opinion or suggestions.

Communication Mechanisms

- Internal website with real time news
- e-mails announcements
- Bulletin boards at sites/facilities
- General manager's mailbox
- Plant directors' mailbox
- HR opinions box
- Employee symposium
- Education & training
- Counselling room

Labor Unions

We have entered into a collective agreement with the respective labor unions in ASE Kaohsiung of Taiwan, ASE Weihai/Suzhou/Wuxi of China, ASE Korea, ASE Singapore and USI. In 2014, the total number of union members are 24,056 and reached around 36% of total ASE Group headcount.

Developing Leaders

Our leadership development program helps managers to develop the skills they need at different points on their journey to senior leadership. It is designed to equip all managers with the same cultural understanding, capabilities, competencies and behaviors. Part I is the foundation of leadership, arming new managers with the knowledge and skills to enhance the engagement and performance of every associate. Part II strengthens the skills and abilities of experienced managers, and part III trains mid-level leaders to apply creative and analytical skills to solve increasingly difficult business challenges.

Train The Trainer-TTT Program

The "train the trainer" (TTT) program forms an integral part of our human resource training system and aligns with our talent management strategy to develop and grow our employees' skills and leadership strengths. Through the TTT program, we cultivated a lot of excellent teachers and most of them are our top/middle managers. We believe the best learning is taught by our directors. Today, we have 1,865 TTT certified trainers qualified to teach in their respective fields worldwide.



ASE Kaohsiung in Taiwan established the "Enlightening Teacher Award" in 2008 and expressed our gratitude to our teachers on September 28 of each year.

Health and Safety

We are committed to providing employees a safe, comfortable and healthy workplace. We conduct risk assessments to identify possible sources of risks and take all reasonable measures to eliminate these risks. In addition, all of our factories conduct annual full scale emergency drills in cooperation with local authorities. Various scenarios are simulated at these drills to improve our disaster response plans. Some of our facilities are located in earthquake and typhoon prone areas, and our drills have enabled us to effectively prevent any major damage to human lives, buildings and any disruption to our production processes.

The FR* and SR** of our all manufacturing facilities were 0.79 and 7.81 respectively in 2014 - much lower than the Taiwan electronics and components industry average FR of 0.96 and SR of 24 in 2012 to 2014. No occupational illnesses or work related deaths were reported among employees or contractors at the above plants.

Medical Care

Preventive care is paramount to a healthy workforce. ASE continuously promotes healthy

options for its employees including free/ subsidized regular health screening. Through a detailed analysis of employees' health records, the company is able to determine areas of risks and concerns affecting the employees' health and to actively improve their physical wellbeing. We identify specific high risk manufacturing jobs that expose the employees to various job-related hazards such as radiation, noise and dust and ensure that they are provided high quality protective equipment. Identified employees undergo routine medical screenings to ensure that their health is in check.

Health & Safety Promotion

ASE keeps its occupational health and safety procedures up to date with the changes in production processes, technology and work environments. In 2014, ASE Kaohsiung of Taiwan cooperated with the Ministry of Labor to hold occupational safety and fire protection inspection activities. Activities include extinguisher, fire-fighting water ejection, SCBA use, smoke experience area, AED (Automated External Defibrillator) instruction and fire safety talks, as well as familiarizing employees with disaster prevention and emergency response procedures.

* FR Frequency of disabling injuries (FR = Number of disabling injuries x 1,000,000 / Total working hours)

** SR Severity of disabling injuries (SR = Number of days lost due to disabling injuries x 1,000,000 / Total working hours)



SUPPLY CHAIN DEVELOPMENT

The supply chain is a critical extension of the ASE business value chain. Active involvement in the development of our suppliers ensures that they share our goals of sustainability and also provide continuous quality and environmentally conscious products and services to ASE.



Supplier Management

Our suppliers are our partners and we expect them to offer fair terms and safe working conditions and equal terms to their employees. We do not condone the use of child labor or forced labor and would remove any supplier guilty of such infringements. No suppliers' contracts were terminated due to use of child labor or forced labor in 2014. Communication with our suppliers is also key to our partnership, and in 2014, we recorded a total of 1,535 communication meetings with suppliers.

In early 2015, we joined the Electronic Industry Citizenship Coalition (EICC), the world's largest industry coalition committed to creating shared value for the businesses, people, and communities that collectively contribute to the manufacture of electronic devices around the world. ASE has also adopted the EICC Code of Conduct to improve efficiency and social, ethical and environmental responsibility throughout its global supply chain, with the expectation that suppliers likewise act in accordance with the code too. In addition, ASE suppliers and partners are encouraged to commit to "The ASE Group sustainability supply chain management" policies and procedures when conducting business with ASE, as these have been developed to align closely with the EICC Code.

* The definition of critical supplier is the top 80% of direct materials manufacturers, based on transaction amount.

We encourage our critical suppliers* to meet certified international standards such as ISO 14001, OHSAS 18001, and ISO 14064-1 for greenhouse gas verification and publish their sustainability reports.

We conduct a three-stage approach to promoting suppliers' sustainability performance: Assessment, Validation and Improvement.

Three-Stage Approach To Promoting Supply Chain Sustainability

Assessment

Supplier Assurance Letter :

We request that our suppliers to sign the Assurance Letter of Compliance Conduct of Code to guarantee their compliance with human rights, working conditions, health and safety, environmental management, honesty, incorruptibility and non-disclosure of confidential information.

Supplier Sustainability Assessment by Questionnaire :

New suppliers must pass our sustainability assessment, and critical suppliers must complete our sustainability questionnaire annually, which covers multi-aspects including environment, health and safety, energy management, risk management, human right and conflict minerals.

Risk Assessment :

We perform risk assessments for critical suppliers (on an annual basis) as well as new suppliers based upon the sustainability assessment results.



Validation

Supplier Audit :

On-site or paper audits are carried out to ensure effective management of suppliers.



Improvement

Training and Communication :

We help our suppliers to improve their sustainability performance through meetings, trainings, questionnaire feedbacks, on-site auditing, QBR (Quarterly Business Review) and the annual best supplier awards.

Audit Result Summary

To ensure effective management of our suppliers' quality or sustainability performance, we had completed 28 pre-screening audits of new suppliers and 155 annual audits of critical suppliers. Based on those findings, we requested suppliers to respond with the improvement actions and re-audit their results of the corrective actions in the following year. Through these actions, our suppliers not only reduced their risks but are also able to maintain an effective management system.

2014 Audit Findings and Improvement Actions

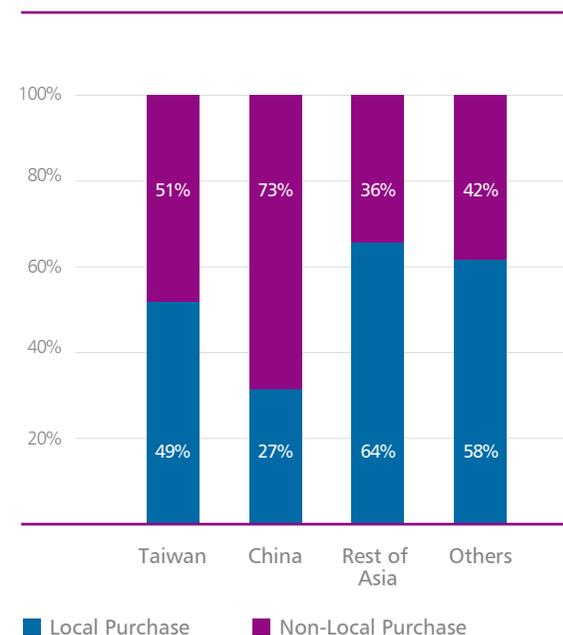
Categories	EICC Provision	Findings	Improvement Actions
Environment	Hazardous Substances	No spill containment in chemical storage area	Require suppliers to propose improvement plans to avoid chemical spill.
	Air Emissions	No air emissions management procedures	Require suppliers to set up air emissions management programs and procedures.
Labor	Working Hours	Overtime working hours exceed requirements.	Require suppliers to set up working hours control procedure and management monitoring.
	Benefits	Wages are deducted for disciplinary reasons.	Require suppliers to avoid deduction of wages as a disciplinary measure.
Human Rights	Non-Discrimination	Pregnancy testing is used as a condition of employment.	Require suppliers to put anti-discrimination and anti-prejudice clauses in their recruitment documents.

* Local supplier refers to any supplier's manufacturing factory is located in the same region as our facility. For example, if the supplier's manufacturing factory is located in Taiwan, it's our Taiwan facilities' local supplier.

Local Purchasing

We support the use of local suppliers* to promote the growth of the local economy. For the Assembly, Test and Material Service and Electronic Manufacturing Services which has its main production sites in Taiwan, China, Rest of Asia, Americas and Mexico, our local purchasing spending on raw materials accounted for around 38% in 2014.

2014 Local Purchasing Spends



ISM Awards for Excellence in Supply Management

In 2014, ASE was recognized as a finalist for the 2014 ISM* Awards for Excellence in Supply Management in Copper Wire Bonding development. ASE is the only company from Taiwan that made the list for the first time.



ASE Best Supplier Awards Ceremony

We hosted the ASE Group 2014 Best Supplier Awards ceremony with representatives from 126 companies, supplying equipment, raw material, information technology, logistics, and various other products and services to ASE in attendance. A total of 28 awards were presented to the 34 suppliers who had demonstrated extraordinary performance in their support to ASE throughout 2014.

One highlight of the awards event was the inauguration of ASE's campaign for

Responsible Supply Chain Management and the execution of a Green Supply Chain Program** together with ten of its major supply partners. Throughout the campaign, ASE and its ten partners aim to provide leadership and set standards for the backend semiconductor industry to engage in ethical business conduct, employee health and safety, environmental protection and management governance. Driving our team and our supply partners to conduct business in a green and socially responsible manner is a goal that we aim to achieve through mutual collaboration amongst network partners and participation in reputable industry organizations such as the EICC.

Supply Disruption Risk Management

On March 11, 2011, a major earthquake occurred off the coast of Japan resulting in a large tsunami and radiation leak at the Fukushima nuclear power plant. We experienced a disruption to the supply of raw materials from Japan for about three to four weeks due to the fear of radiation contamination and the reduction or postponement in production by some of our Japanese suppliers. To mitigate impacts from

any major natural disasters, we work closely with our suppliers to maintain a resilient and reliable supply chain.

We provided a semiconductor A&T e-Hub and a supply chain model that supports new supplier registration, qualification, forecast, purchasing orders processing, shipment confirmation, and payment status inquiry for suppliers. This platform links all supply communication and logistic information to reduce operation costs and the risk of material shortages.



* ISM is the first supply management institute in the world. Since 2006, ISM set up the "Awards for Excellence in Supply Management" for the company to highlight their supply management departments' innovation, leadership and best supply management practices. Awards are given to supply management departments within organizations that demonstrate leadership and innovation in supply management in at least one category: Process, Transformation of the Organization, People, Technology or Sustainability.

** Regarding ASE Green Supply Chain Program, please refer to "Green Supply Chain".

Contractor Management

ASE and its contractors continue to work closely in a symbiotic relationship to achieve the "zero disaster" target at the workplace. ASE also provides training and exercise to reduce safety and health risks and incidents, and contractors can enhance their performance by implementing safety and health management evaluations. In 2014, we recorded a total of 450 communication meetings with contractors for communicating our health and safety requirements and regulations.

We also encourage our contractors to be certified for ISO 14001, OHSAS 18001 or other environmental, health and safety management systems and enhance their management approaches.

Sustainability Management for Contractors

- Security partnership: provide guidance to contractors and subcontractors to build a robust security management framework.
- Conduct monthly assessment on performance to ensure "zero disasters" management.
- Conduct regular communication meetings.
- Health and safety training required for any personnel working on site.
- Enhance the frequency of safety audits at work places.
- Require contractors with high incidences of safety violations to make immediate improvements.
- Identify high-risk work and establish corresponding safety precautions and control procedures.

Recognition and Awards Ceremony

In recognition and appreciation of outstanding performance, ASE organizes an award ceremony annually for our contractors. In December 2014, our Kaohsiung facility hosted the 2013 Contractor Awards Ceremony and awarded outstanding contractors for their contribution to the safety and security of ASE. Three best outstanding contractors and five excellent safety management personnel received ASE awards and nearly 140 contractors participated in this ceremony.

The 2013 Awards



Best Safety and Health Contractors



Excellent Safety Management Personnel

Audit Result Summary

To ensure the safety of contractors, ASE enhances the safety and health evaluation for high-risk workplace. We conduct workplace inspection to ensure the health and safety performance of contractors. In 2014, we had completed a total of 362 workplace inspections.

2014 Audit Findings and Improvement Actions

Categories	EICC Provision	Findings	Improvement Actions
Environment	Hazardous Substances	Waste are not properly stored	Strengthen their management and inspection in waste storage area.
Health and Safety	Occupational Safety	Not enough personal protective equipment	Strengthen contractors' self-management.
	Machine Safeguarding	Do not comply with our regulations regarding machine safety.	Strengthen contractors' training.

Green Supply Chain

The development of the Green Supply Chain has been a major trend in global business activities. Over the past year, ASE management has relentlessly focused on corporate sustainability within its supply management. We are implementing a three-year (2015~2017) program to improve the sustainability performance of suppliers and create sustained value. The ASE supply management team has launched the ASE Guidelines for Supply Excellence: "SMILE to ART" – Creation of a Framework that is Sustainable, Manageable, Innovative, Lean and Ethical, to build an Advanced, Resilient and Trusted supply chain network.

There are three strategies to be implemented as follows: (1) Green Sourcing and Purchasing – Raw Materials, (2) Green Spending – Capital Expenditures and MROs*, (3) Green Logistics Services – Transportation and Warehousing. We aim to provide leadership and set standards for the backend semiconductor industry to engage in ethical business conduct, employee health and safety, environmental protection and management governance.

Through collaboration with our tier 1 suppliers, we build up the management systems and operational mechanism which can be used as the reference model for all tiers of suppliers.

* MRO: Maintenance, Repair and Operating.

Framework from SMILE Supply Chain to ART Supply Network

Strategy Mission	Green Sourcing and Purchasing – Raw Materials	Green Spending – Capital Expenditures and MROs	Green Logistics Services – Transportation and Warehousing
Sustainable	Electronic Industry Code of Conduct, EICC Committee of Sponsoring Organization, COSO Corporate Social Responsibility, CSR		
Manageable	Education and Training Assessment of Green Supply Enterprise Risk Management, ERM		
Innovative	Process Reengineering Green Solutions Collaboration Solutions Intelligent Logistic Solutions		
Lean	Six Rules for Lean : Redefine, Refuse, Reduce Reuse, Recycle, Replace		
Ethical	Anti-Corruption Conflict of Interest Confidentiality		
Advanced	Electronic Supply Management Platform, ESMP		
Resilient	Disaster Recovery Plan, DRP Business Continuity Planning, BCP Business Continuity Management, BCM		
Trusted	Institutional Trust		

Conflict Minerals Compliance

The mining and distribution of "conflict minerals"* originating from the Democratic Republic of Congo("DRC") and adjacent regions are sometimes controlled by violent organizations in order to fund conflict in that country and adjacent regions. ASE has worked with our suppliers to achieve our goal of eliminating the use of these conflict minerals within our supply chain and using only conflict-free minerals** responsibly sourced around the world. It is also our objective to support the continued use of conflict-free minerals from the DRC and the adjacent regions such that responsible mining is not diminished.

- * Conflict minerals are columbite-tantalite (coltan), cassiterite, gold, wolframite, or their derivatives as defined in the Dodd-Frank Act section 1502 and SEC Rule 13p-1 under the Securities Exchange Act of 1934.
- ** Conflict-free minerals are conflict minerals that through their distribution directly or indirectly do not benefit violent organizations in the Democratic Republic of Congo and its adjacent regions.

Our Conflict Minerals Management Approach

Conflict Mineral Management Requirement

To achieve ASE's goal that our suppliers are hereby encouraged and required to be diligent in their assessment and validation of their supply chains. We request current Conflict Mineral Reporting Templates (CMRTs) from all suppliers of conflict minerals.



Reasonable Country of Origin Inquiry ("RCOI")

Our suppliers have supplied the Conflict Minerals Reporting Template (CMRT) of their conflict mineral smelter and representation documentation to guarantee complying with the covenants of ASE's conflict minerals policy.



Due Diligence ("DD")

Our conflict minerals due diligence measures have been designed to conform to the Organization for Economic Co-operation and Development (OECD) Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas to identify and mitigate risk.



On August 22, 2012, the U.S. Securities and Exchange Commission adopted final rules which relates to the public disclosure and reporting obligations by issuers concerning "conflict minerals" that originated in the Democratic Republic of Congo or an adjoining country. Since 2011, ASE has conducted an initial investigation and engaged our suppliers using the EICC-GeSI form to disclose information on smelters. In 2014, ASE has identified more than 330 suppliers who process 3TG* metals in our supply chain through the CMRTs they returned. On the basis of the due diligence measures in 2014, we had concluded that our substrate and wafer bumping products are DRC conflict free. We have obtained an Independent Third Party Audit (IPSA) to conform our DD procedure is consistent with OECD guidance and in compliance with requirements set forth in the SEC Conflict Minerals Final Rule and subsequent SEC Guidance. In early 2015, we joined the CFSI (Conflict-Free Sourcing Initiative), an initiative of the electronics industry organizations EICC and GeSI (Global e-Sustainability Initiative), which is the most utilized and respected resources for companies addressing conflict minerals issues.

* tin, tantalum, tungsten and gold ("3TG")

To communicate ASE's conflict mineral requirements with our suppliers, the ASE Group Corporate Policy for Sourcing Conflict Minerals is posted on our website. For more information about the Policy, please visit: www.aseglobal.com.

ASE SEC Conflict Minerals Filing

We report annually about the Conflict Minerals program on our website. For detailed ASE SEC Conflict Minerals Filing for 2014, please visit: www.aseglobal.com

SOCIAL INVOLVEMENT

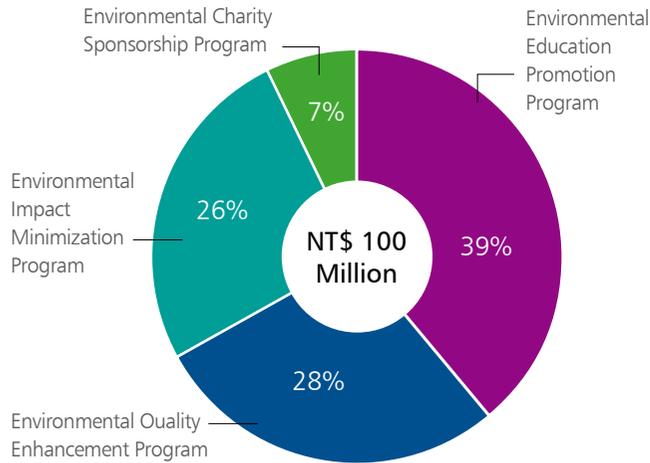
ASE participates in the community activities towards the goal of being a conscientious and caring corporate citizen. In addition to the company's efforts of social and charitable programs, we also encourage and motivate our employees to be actively involved in these types of activities.



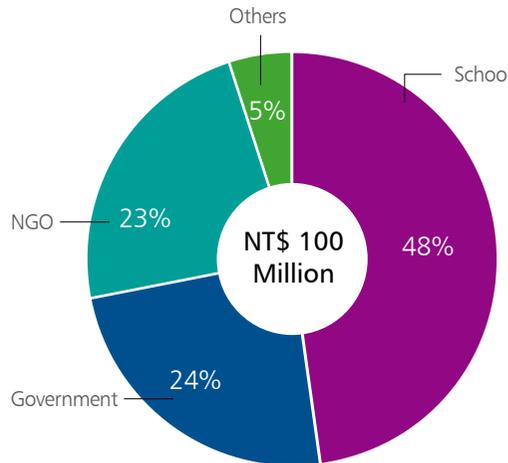
Environmental Conservation Fund (ECF) Programs

2014 marked the 30th year of ASE's founding and in commemoration of the anniversary, the ASE Group announced the creation of a NT\$ 3 billion environmental conservation fund, to be made in the next 30 years through ASE Cultural & Educational Foundation (ASE CEF) for environmental protection efforts in Taiwan. The Board of Directors have resolved in 2014 to disburse US\$3.2 million (NT\$100 million) to support environmental conservation via programs to promote environmental education, to enhance environmental quality and to minimize environmental impact, as well as charitable sponsorships of environmental conservation-related activities.

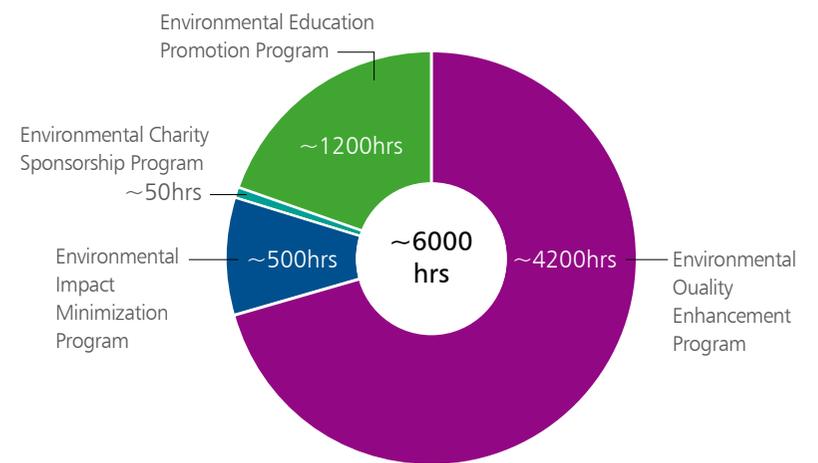
Distribution by Category



Organization Supported



Volunteer(man-hours)



The ASE Cultural & Educational Foundation (www.asefund.org.tw) was established on September 1997 by Jason Chang, Chairman and founder of the ASE Group, as a vehicle for the company to contribute back to society. The mission of the ASE CEF is to raise the national quality of life, promote culture, develop social education, and cultivate talents through charitable donations and the organizing of cultural, educational, and environmentally-conscious activities beneficial to the public.



Among the ECF programs, offering support for schools of all levels on fulfilling the promotion of environmental consciousness and contributions to area's sustainable development accounted for the largest proportion. Some examples are listed below:

- We assisted Taiwanese college students in establishing 10 to 15 environmental volunteer teams, and we also fully subsidized the implementation and operation of green classroom for 20 to 30 elementary schools located in rural area and the video record of whole process.
- In order to form an environmental education dialogue platform in Taiwan, we cooperated with "Environmental Quality Protection Foundation", an environmental NGO, to create an environmental education platform in Asia. Through uploading the environmental education content (e.g., the broadcasting content and video-recording content of Taiwan environmental perspective and stories) to the cloud, the environmental education platform provides convenient access to the video and audio contents of environmental education which are high-quality and close to local life.

- We installed low energy consumption LED lighting in elementary and middle schools, which located in the Kaohsiung and Nantou, to avoid reflected glare given off from blackboard and desktop. In the first phase of installation, about 550 classrooms were set up with the estimation of electricity savings of 0.6 million kWh per year and carbon emission reductions of 330 tCO₂e.
- We combined environmental protection volunteers with Afforestation Projects. In July 2014, ASE's employees along with their families, local residents, and students, a total of 700 volunteers, came together to fulfill our promise to conserve mountain and reduce carbon emission. We planted 2,000 saplings in Kaohsiung Metropolitan Park and continued by watering and weeding weekly by our employee-volunteers and local-volunteers (performed over 2,400 hours of volunteering since then).
- We collaborated with universities to research and develop green supply chain management and information exchange in semiconductor Industry.



TEED environmental forum participation



Campus LED Donation



ASE employees participated in a "tree planting" event for the afforestation of the Kaohsiung Metropolitan Park.

We focused on Kaohsiung's sustainable development, and hence many of our environmental programs were primarily with the aim of contributing to Kaohsiung residents.

- We assisted Nantze Export Processing Zone in planning and implementing green fence, landscaping, and constructing a load-bearing permeable pavement surrounding the green fence as the pedestrian walkway.
- We sponsored Nantze Export Processing Zone a Water Recycling Model Plant to provide an example plant, enhancing

environmental education for the industries located in Southern Taiwan. About 200 tons of recycled water is generated per day, for the use of fire-fighting equipment, toilets, irrigation, landscape, and daily cleaning.

- We carried out environmental education projects in Southern Taiwan, sponsored Kaohsiung Main Public Library's environmental education projects and Kaohsiung Green Lantern Festival, and donated multi-purpose vehicles to Southern Center for Emergency Response of Toxic Substance.



Green fencing surrounding Nantze Export Processing Zone between exits #3 & #4.

2014 Accomplishments of ASE Cultural & Educational Foundation

Category	Programs	Details
Environmental Education Promotion Program	Green Classrooms Project	To set up green classrooms to educate the green concept for elementary students. Locations: Elementary schools in Kaohsiung, Chungli, Hualien, and Taitung.
	Environmental Education Video Projects	To sponsor the Taiwan Environmental Education Dialogue (TEED). Please refer to www.teed.org.tw
	Southern Taiwan Environmental Education Projects	To provide continuous studies on environmental topics in southern Taiwan by collaborating with the National Kaohsiung First University of Science and Technology.
	Environmental Technology Research Projects	To collaborate with five universities in southern Taiwan on environmental technology Industry-academic research projects.

Category	Programs	Details
Environmental Education Promotion Program	Kaohsiung Main Public Library – Environmental Education Sponsorship	To sponsor environmental related audio and video materials to Kaohsiung Main Public Library.
	Environmental Thesis/Dissertation Awards	To provide subsidy awards for graduate students' Masters theses and Doctoral dissertations in environmental studies. Awards offered: Master x 11, Doctorate x 6
	Environmental Protection and Economic Development Seminar	To hold seminars in the fields of water management and environmental studies and to share with industry experts and academics.
	Yuan T. Lee Science Education for All – Environmental Education Seminar Sponsorship	To sponsor the seminar on marine environmental preservation.
Environmental Quality Enhancement Program	Afforestation Projects	To afforest 3 hectares of land in the Kaohsiung Metropolitan Park as well as some state-owned land.
	NEPZ – Green Fence Project	To construct green fences surrounding the Nantze Export Processing Zone (NEPZ) between exits #3 & #4 by replacing the old concrete fences to provide ecological benefits for the environment.
Environmental Impact Minimization Program	Campus LED Donation Projects	To procure and install T8 LED lightings in elementary and middle schools. Locations: in the vicinity of the Kaohsiung and Nantou facility and rural area
	NEPZ – Water Recycling Model Plant Operation Sponsorship	To sponsor the operation of the model plant used for training and education on water recycling and processing in Kaohsiung Nanzih Export Processing Zone (NEPZ).
	Green Supply Chain Projects	To initiate and promote the green supply chain in OSAT industry, a total of 120 suppliers to join the green supply chain project.
	Southern Center for Emergency Response of Toxic Substance Donation	To donate two multi-purpose vehicles for emergency response usage.
Environmental Charity Sponsorship Program	Kaohsiung Green Lantern Festival Sponsorship	To sponsor the Kaohsiung Lantern Festival with green concept.



Charity and Social Work

ASE strives to be a caring and sharing corporate citizen and has devoted itself to charity for 28 years. Our focus is on people, namely children and the family unit. Hence, our charitable programs are centered on causes related to providing education and after-school care for children, and welfare and support to underprivileged families. We

encourage our employees to participate in activities organized by the company, to serve the local community. At ASE Kaohsiung, Chungli and Shanghai, these activities are organized and driven by the non-profit "ASE Charitable Foundation" with funding from the ASE Group as well as voluntary contributions by employees.

In 2014, the ASE Charitable Foundation disbursed more than NT\$13 million on several programs, including after-school care for children from underprivileged families, subsidies to students from low-income families, emergency care and assistance, and supports to other community causes.

After-School Care for Underprivileged Families

We believe that every child deserves an education, appropriate care and concern regardless of their backgrounds. The ASE Child Care Center has been established for 9 years with a number of the volunteers of ASE employees that help to provide children with after-school care, and small group tutoring. In addition, the Center provides civic educational programs include character building, parent-child relationship education, and living abilities. Such programs help children to grow up with positive and healthy personality. The Center spent NT\$6 million on supporting 118 families, and the number of underprivileged children we helped grows from 12 in 2006 to 143 in 2014.



Parents were invited to attend seminars to help them learn more about child care and foster better relationships with their children.



Teaching the children how to play and work as a team.



Parent-child relationship education



The staff at the ASE Child Care Center organized a graduation party for the children to celebrate the occasion in year 2014.



Subsidies to Students from Low-Income Families

We provide monetary aids in the form of scholarships as well as monthly subsidy to help students for their tuitions and daily necessities (monthly NT\$1,500 for elementary school students, NT\$2,000 for junior high school students, and NT\$2,500 for senior high school students). In 2014, we funded a total of 776 children and provided the scholarships of NT\$2.7 million.

Another initiative to help these students with financial difficulties is a full subsidy for the procurement of nutritious lunch boxes for these students. In 2014, we funded NT\$560,000 to a total of 139 students.

Emergency Care and Assistance

Wherever possible, ASE will provide financial and resource support to families in need. Each condition is assessed by the ASE Charitable Foundation, and amounts between NT\$3,000 to NT\$5,000 per month may be granted to the individual family to help them tide over the emergency. In 2014, the foundation has disbursed around NT\$1 million to 165 families.

Charity Donations

In support of the agricultural industry in Taiwan, ASE set up the first corporate-sponsored store selling organic foods. Back in August 2009, the aftereffects of the devastating typhoon "Morakot" resulted in the destruction of many farmers' livelihood especially in southern Taiwan. In 2010, ASE initiated the store in Kaohsiung, to procure fresh foods from the local farms for sale to ASE employees. The proceeds were then donated back to support the community. In 2014, a total of 134 families benefited from the proceeds.

The foundation donated medical fund to the Kaohsiung Veterans General Hospital to help poor elders through medical subsidies and cancer screening as well as to send medical teams abroad to aid patients in need.

In 2014, our charitable activities contributed to 17 institutions which are located in Pingtung, Kaohsiung, Tainan, Yunlin, Chungli, Taoyuan, Taipei, and Shanghai. Our total donation in the year 2014 amounted to over NT\$2.93 million.



Academic Collaboration

ASE has collaborated with Taiwan's Ministry of Education and local universities to groom college students for a career in semiconductor and engineering. The collaboration creates job opportunities for the graduates and helps the industry to increase the nation's competency with a deeper level of students' education. ASE supports the universities through four key programs – cooperative education and internship, academic research collaboration, semiconductor educational program, and scholarships. In 2014, ASE contributed NT\$16 million for these projects, supporting 550 professors and students.

Cooperative Education & Internship

In cooperation with the Ministry of Education, ASE adopted a "Learning by doing and doing while learning" program for students to learn about job skills and prepare for future job placements. In the year 2014, a total of 500 students have joined the program.

Academic Research Collaboration

ASE has been working with academic institutions for the last 3 years in the field of research and many of these research projects have been adopted for practical use. In 2014, our research was extended to semiconductor production and material improvement and we contributed over NT\$ 10 million in research funding.

Semiconductor Educational Program

Under this program, ASE helped the universities to develop and design semiconductor course modules into the masters' degree curriculum to train graduates for the semiconductor industry. In 2014, 50 students participated in this program.

Scholarships

Scholarships were extended to students with outstanding academic performance and professors who have made significant contributions to society. In 2014, ASE provided NT\$ 6.5 million worth of scholarships.



NSYSU students visit ASE



NCKU Semiconductor Course Visit

Global Community Engagement

In the past 30 years, ASE continuously strive to create enterprise value by combining both company and community resources throughout its worldwide operations.



USI-Kunshan, China

- Visit Kunshan orphanage



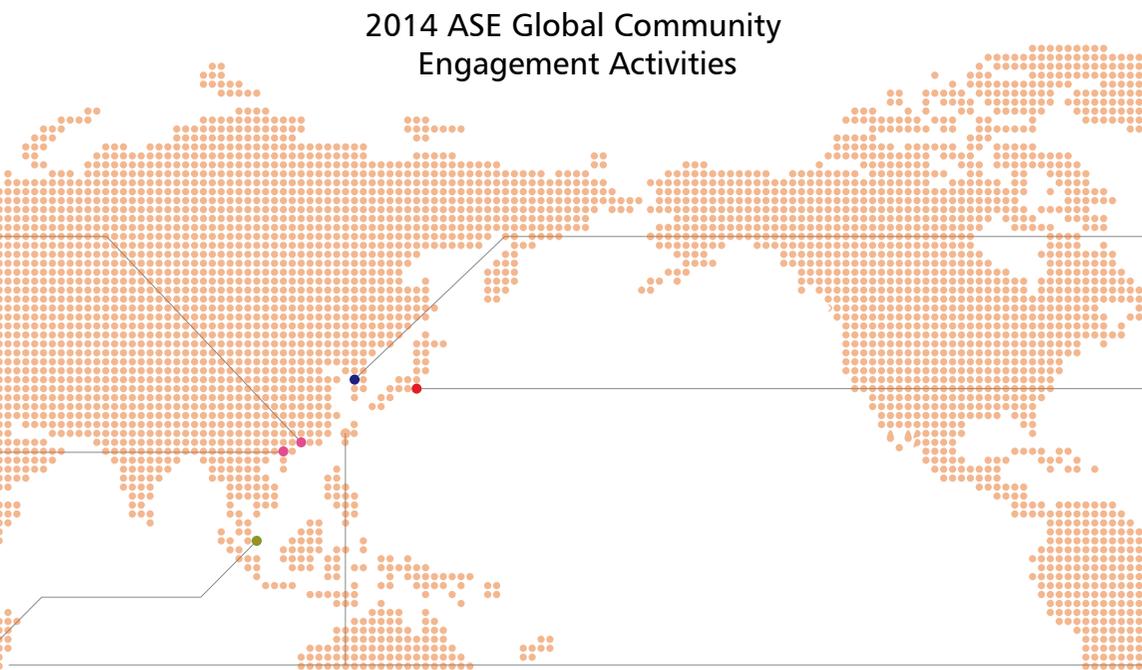
USI-Zhanjiang, China

- Tree planting project



ASE-Singapore

- Visits and food donation to homes for the elderly
- Yellow Ribbon Project - to help in the employment and rehabilitation of ex-prisoners



USI-Nantou, Taiwan

- Cultivation of campus reading in rural areas
- Support of traditional art Ming Hwa Yuan



ASE-Chungli, Taiwan

- Joint patrol team for the enhancement of security in the community



ASE-Chungli, Taiwan

- Creek Clean-up by the volunteers of ASE employees monthly, Chungli, Taiwan



ASE-Paju, Korea

- Elderly care and support



ASE-Yokohama, Japan

- Promote local crops, for instance, Yamagata rice in our Japan site
- Tree planting project



ASE-Kaohsiung, Taiwan

- Promote environmental education at elementary schools

Gas Explosion Event in Kaohsiung, Taiwan

On 1 August 2014, a series of gas explosions occurred in Kaohsiung's Cianjhen district, Taiwan, resulting in several fatalities and hundreds of injuries. Many of the district's residents had to be evacuated for safety reasons. ASE, through its Cultural and Educational Foundation, donated NT\$15 million to the disaster area; besides, ASE Charitable Foundation donated NT\$1 million. Globally, our employees voluntarily donated a day's salary amounting to at least NT\$10 million in aid of the victims. Moreover, we supported the TSMC Kaohsiung Gas Explosion Reconstruction Engineering Program by donating NT\$5 million. We set up a crisis response center to lend medical, accommodation and financial assistance to affected employees and their families. In addition to donations totaling NT\$31 million, we also contributed 800 LED table lamps and flashlights to the disaster area. In the aftermath of the disaster, ASE purchased and helped install LED lightings along the walkways outside the homes and shops to provide a brightly-lit and safer environment for the residents.



The year 2014 was indeed another milestone for the ASE Group as we not only achieved another record in business growth, as well as demonstrated responsibility in sustainable management and shareholder accountability, but made meaningful contributions to the environment and the society via industry-academic education and community outreach programs. ASE created sustainable practices in hopes of making a positive on the society. In the future, we will continue to develop environmental protection programs and community engagement, and humbly assimilate our enterprise into the landscape from which we draw so much, and rely upon.

APPENDIX

ASE Group – Corporate Milestones

- 1984 • The founding of ASE
- 1987 • Shipped PGA and PPGA packages in volumes to US and European markets
- 1989 • ASE listed on the Taiwan Stock Exchange (TAIEX)
- 1990 • Acquired a Test facility in Kaohsiung – ASE Test
- 1991 • Established ASE Penang
- 1996 • ASE Test Limited listed on NASDAQ – first Taiwanese company to be listed on the US exchange
Established ASE Materials
- 1998 • ASE Test listed on TAIEX
 - Established flip chip packaging and test capability
- 1999 • Acquired Motorola's backend facilities in Chungli, Taiwan and Paju, Korea
 - Acquired ISE Labs in Fremont, CA, USA – a front-end engineering test facility
- 2000 • ASE Inc. listed on the New York Stock Exchange (NYSE)
 - Volume production of flip chip packages
- 2001 • Established Chungli intelligent park to enhance a turnkey production experience for customers
 - Completed a 300mm wafer bumping production line
- 2003 • Joint venture with Compeq to establish a center for the design and production of interconnect materials
 - Became the world's largest independent IC assembly and test service provider
- 2004 • Acquired NEC's backend facility in Yamagata, Japan
 - Established IC substrates and module production facility in Shanghai, China
- 2005 • Volume production of WLCSP
- 2006 • ASE Test merges with ASE Inc., delisting of ASE Test on NASDAQ
 - Record revenue of \$3.1B
 - Joint venture with Powerchip to establish memory IC assembly and test facility – PowerASE
- 2007 • Joint venture with NXP Semiconductors in Suzhou, China – ASEN
 - Renamed assembly and test operations (GAPT) in Shanghai to ASE Shanghai
- 2008 • Revenue in China surpassed \$500m
 - Acquired discrete manufacturing facility in Weihai, China – ASEWH
 - Development in copper wire bonding technology

- 2009 • Over 50 customers adopted and converted to ASE's copper wire bonding process
 - Volume production of aWLP, aQFN
- 2010 • Acquired local test house – EEMS Singapore Pte Ltd, further strengthening ASE's IC testing foothold in Singapore
 - Completed total purchase of Universal Scientific Inc. (USI) under the ASE Group
- 2011 • Established Kunshan, China – adding further assembly and test capacity in China
- 2012 • Acquired Yang Ting in Taichung, Taiwan – discrete IC packaging facility
 - Universal Scientific Shanghai, a subsidiary of Universal Scientific Group, completed its initial public offering (IPO) on the Shanghai Stock Exchange
- 2013 • Acquired Wuxi Tongzhi – a PRC-based provider of semiconductor packaging and testing services
 - Universal Scientific Group established a new subsidiary UGJQ which is engaged in the processing and sale of computer and communication peripherals as well as technology import and export business
- 2014 • Listed in Forbes magazine's 2014 Asia Fabulous 50 companies
 - Honored with SEMI Award for Advancement in Copper Wire Bonding Technology
 - USI Shanghai listed in China Enterprise TOP 500

2010-2014 Awards and Recognition from Government and National/International Authoritative Bodies

- 2010
- ASE Kaohsiung – commended for water and electricity conservation
 - ASE Kaohsiung – commended for supporting subway transportation for employees
 - ASE Korea – commended for excellence in workforce welfare and environmental protection
 - ASE Weihai – OHSAS 18001 certification
 - ASE Weihai – EU supplier award
 - ASE Group – Taiwan Institute for Sustainable Energy (TAISE): CSR Report Award "4th place"
 - ASE Chungli – ISO 14064-1 certification
 - ASE Chungli – SA 8000 certification
- 2011
- Ranked number 12 in Wealth magazine (Taiwan)'s Top 50 outstanding enterprise
 - ASE Kaohsiung – Green procurement excellence award
 - Ranked number 6 (Asia category) and number 3 (Taiwan category) in Businessnext Magazine's Top 100 tech companies
 - ASE Group – Taiwan Institute for Sustainable Energy (TAISE): CSR Report Award "4th place"
 - Received Taiwan Green Product award for IC assembly
 - Received Taiwan Innovators award
 - ASE Kaohsiung – TTQS training gold medal
 - ASE Kaohsiung – GHG reduction/Cleaner production/water conservation awards
- 2012
- ASE Kaohsiung – AEO(Authorized Economic Operator) recognition
 - ASE Kaohsiung – recycling/workplace excellence/workplace health promotion/environmental-friendly culture awards
 - ASE Weihai – QC 080000 certification
 - ASE Shanghai – Pudong "commitment to environmental protection" award
 - ASE Shanghai – cleaner production enterprise
 - ASEN (Suzhou) – energy conservation award
 - ASE Korea – TS16949, QC 080000 certification
 - ASE Kaohsiung – EICC VAP
 - ASE Kunshan – environment protection enterprise award
- 2012
- ASE Group – Taiwan Institute for Sustainable Energy (TAISE): CSR Report Award "3rd place"
 - ASE Kaohsiung – workplace health excellence award
 - ASE Kaohsiung – Green procurement excellence award
 - ASE Kaohsiung – recycling/workplace excellence/workplace health promotion/environmental-friendly culture awards
 - ASE Kaohsiung – ISO 50001 certification
 - ASE Kaohsiung – Workplace excellence award, HR award
 - ASE Chungli – EICC VAP
 - ASE Chungli – Foreign workers employment recognition award
 - ASE Chungli – Minority workers employment recognition award
 - ASE Japan – Disabled workers employment recognition award

- ASE Kunshan – Safety workplace enterprise recognition
- ASE Shanghai – Pudong "commitment to environmental protection" award
- ASE Korea – workplace safety award
- ASE Weihai – employer/union relationship recognition
- ASEN (Suzhou) – high tech enterprise recognition
- 2013 • ASE Kaohsiung – green procurement excellence award
- ASE Kunshan – award for skilled personnel training
- ASEN (Suzhou) – cleaner production enterprise
- ASE Weihai – employer/union relationship recognition
- ASE Weihai – safety workplace enterprise recognition
- ASE Wuxi – "commitment to ensure labor right" enterprise recognition
- ASE Korea – award on excellent achievement in recruitment and employee education from Ministry of employment and labor
- 2014 • ASE Kaohsiung – Green Procurement Excellence Award
- ASE Kaohsiung – Energy Conservation Award
- ASE Kaohsiung (K5, K7 & k11 plants) – Water Conservation Award
- ASE Kaohsiung – commended for carbon reduction under Carbon offset Project
- ASE Shanghai – Safety Standardization Enterprise Recognition
- ASE Weihai – The Model Dorm in the Export Processing Zone
- ASE Weihai – Safety Standardization Enterprise Recognition
- ASE Kunshan – commended for providing excellent department for non-local employees
- ASE Kunshan – Standard Implementation Certificate of Enterprise Credit Management
- ASE Kunshan – High and New Technology Product Recognition Certificate
- ASE Kunshan – Advanced Organization with Excellent Environmental Protection
- ASE Japan – commended for employees' health promotion
- USI Taiwan – Outstanding Workplace of Healthy Losing Weight
- USI Kunshan – Cleaner Production Assessment Certification
- USI Shenzhen – Guangdong Enterprise TOP 500
- USI Shenzhen – Guangdong Enterprise TOP 100 of Manufacturing Industry
- ASE Wuxi – TS 16949 Certification
- ASE Korea – CC (Common Criteria) Certification
- USI Mexico – OHSAS 18001 Certification
- USI Kunshan – ISO 13485 Certification
- USI Shanghai – ISO 17025 Certification

ASE Environmental Data

A.The environmental data (waste, water, energy, GHG & air pollutant) of our manufacturing facilities around the world over the past three years are presented in the table below:

Category	Environmental performance index	Unit	2012	2013	2014
Waste*	Total amount of waste produced	ton	30,248	35,753	46,300
	Total amount of waste recycled	ton	19,779	22,208	25,669
	Recycling rate of waste	%	65	62	55
Water	Water withdrawal	m ³	17,208,518	20,045,441	18,548,558
	Water withdrawal intensity	m ³ /million NT\$	88.7	91.2	72.3
	Water recycled & reused**	m ³	7,888,780	8,950,221	9,968,002
	Recycle rate of water**	%	46	45	54
	Reduction rate of water intensity**	%	Baseline	-3	19
	Wastewater discharge***	m ³	13,507,060	14,320,427	15,417,764
Energy	Purchased electricity***	MWh	1,718,360	1,804,809	1,996,392
	EMS	MWh	122,224	123,215	131,968
	Assembly	MWh	1,100,001	1,191,996	1,303,641
	Test	MWh	339,844	358,417	380,402
	Material	MWh	156,291	173,181	180,381

Category	Environmental performance index	Unit	2012	2013	2014
Energy	Electricity intensity	MWh/million NT\$	8.86	8.40	7.78
	Reduction rate of electricity intensity	%	Baseline	5	12
	Liquefied Petroleum Gas (LPG)	GJ	3	189	214
	Liquefied Natural Gas (LNG)	GJ	366,533	379,883	229,497
	Motor gasoline	GJ	987,111	951,983	688,391
	Diesel	GJ	208,443	1,221,316	554,510
	Solar energy	kWh	-	700	387,796
	Biodiesel	GJ	248	75	65
GHG	SCOPE 1 ^{***}	tCO ₂ e	49,942	48,601	39,008
	SCOPE 2 ^{***}	tCO ₂ e	1,058,722	1,148,271	1,178,779
	SCOPE 1 + SCOPE 2 ^{***}	tCO ₂ e	1,108,664	1,196,872	1,217,787
	GHG intensity	tCO ₂ e/million NT\$	5.7	5.4	4.7
Air pollutant	VOC (Volatile Organic Compounds)	ton	106 ^{****}	161 ^{****}	250

* The data does not include our electronic manufacturing services (EMS) facilities in Mexico.

** The data does not include our EMS facilities in Shenzhen, Kunshan, Mexico and Jinqiao.

*** The data does not include our EMS facilities in Mexico and Jinqiao.

**** The data does not include our EMS facilities.

B. The environmental data (waste, water, GHG) of our Kaohsiung (ASEKH), Chungli (ASECL) & Nantou (ASENT) facilities in 2014 are presented in the table below:

Category	Environmental performance index	Unit	ASEKH	ASECL	ASENT
Waste*	Total amount of waste produced	ton	20,288	5,713	127
	Total amount of waste recycled	ton	7,738	1,523	6
	Recycling rate of waste	%	38	27	5
Water*	Water withdrawal	m ³	7,105,838	3,568,261	13,921
	Recycling rate of water	%	69	77	1
	Treated wastewater discharge	m ³	5,865,993	3,270,596	-
GHG*	SCOPE 1	tCO ₂ e	16,005	781	18
	SCOPE 2	tCO ₂ e	461,734	156,774	4,185
	SCOPE 1 + SCOPE 2	tCO ₂ e	477,739	157,555	4,202

* Data marked with * has been externally assured by Deloitte in 2014.

ASE Health and Safety Data

The occupational health and safety data of our manufacturing facilities around the world are presented in the table below:

Item	Gender	Taiwan	China	Rest of Asia	America
Injury Rate (IR)*	Male	0.23	0.08	0.43	0.17
	Female	0.19	0.06	0.08	0
Lost Day Rate (LDR)**	Male	0.66	1.45	0.66	0
	Female	0.39	0.92	0.04	0
Absentee Rate (AR)***	Male	834.42	1233.31	187.39	1029.28
	Female	1721	1182.1	251.93	5215.82
Occupational Diseases Rate (ODR)****	Male	0	0	0	0
	Female	0	0	0	0

* IR = Total # of injuries x 200,000 / Total hours worked

** LDR = Total # of lost days x 200,000 / Total hours worked

*** AR = Total # of missed (absentee) days over the period x 200,000 / Total # of workforce days worked for same period.

**** ODR = Total # of Occupational diseases cases x 200,000 / Total hours worked

Third Party Assurance Statement



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Independent Limited Assurance Statement

Advanced Semiconductor Engineering Group ("ASE") engaged Deloitte & Touche ("Deloitte") to perform limited assurance procedures on 2014 Corporate Sustainability Report ("the Report"). The report period is from January 1st, 2014 to December 31st, 2014.

Responsibilities of ASE

The Directors of ASE are responsible for the preparation of the Report according to the Global Reporting Initiative ("GRI") index, for determining the content and statements contained therein, and for establishing sustainability reporting guidelines and maintaining appropriate records and internal control systems from which the reported sustainability information is derived.

Responsibilities of Deloitte

Deloitte's responsibility is to independently express a conclusion on the Report as defined within the scope of work below to ASE in accordance with our letter of engagement. Our work has been undertaken so that we might state to ASE those matters we are required to state to them in this statement and for no other purpose. We do not accept or assume responsibility to anyone other than ASE for our work, statements, or for conclusions we have reached.

Scope of work

We carried out limited assurance on the subject matter in The Report in accordance with the International standard below to assure The report content accurately illustrates the reality of ASE in an objective manner for report readers.

Assurance Standard

We conducted our limited assurance engagement in accordance with the International Standard on Assurance Engagements ("ISAE") 3000. The group consisted of experienced sustainability practitioners. We complied with the Standard's Code of Ethics which includes maintaining independence as well as planning and executing the assurance procedures appropriately to ensure the report content is accurately portrayed.

Limitations

Our work is based on GRI G4 Sustainability Reporting Guidelines in order to perform limited assurance procedures on selected corporate social responsibility performance indicators below:

G4-EN8 : Total water withdrawal by source
G4-EN15 : Direct greenhouse gas (GHG) emission (Scope 1)
G4-EN16 : Energy indirect greenhouse gas (GHG) emission (Scope 2)
G4-EN19 : Reduction of greenhouse gas (GHG) emissions
G4-EN22 : Total water discharge by quality and destination
G4-EN23 : Total weight of waste by type and disposal method

The objective of procedures performed in a limited assurance engagement is to verify the validity of the information. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Our work and independence limited assurance statement will not provide an opinion on the effectiveness and performance of ASE's IT system and process.

The scope of assurance includes factories in Kaohsiung, Chungli and Nantou. ASE's other subsidiaries and affiliates and its activities are not part of the assurance scope. We will not conduct interviews with stakeholders outside of ASE. The scope of assurance only includes indicators G4-EN8, G4-EN15, G4-EN16, G4-EN19, G4-EN22, and G4-EN23. The Report we reviewed is English version.

Assurance Procedures

Our work consisted primarily of making inquiries of company personnel and carrying out analytical procedures and sample tests as follows:

1. Reviewing the Report content in accordance with core disclosure of GRI G4 Sustainability Reporting Guidelines
 1. Checking the index of GRI G4 indicators of the Report.
 2. Reading content of the Report to see if it is in accordance with GRI G4 disclosure requirement.
 3. Identifying the misstatements of content which is not reported and presented in accordance with the disclosure requirement, confirming those misstatements with ASE, and requiring correction.
 4. Reviewing the final index of GRI G4 indicators and the Report content.
2. Reviewing the subject matter information
 1. Interviewing senior management.
 2. Interviewing employees who are responsible to prepare CSR report and indicators.
 3. Reviewing and analyzing the public information regarding ASE.
 4. Understanding, analyzing, verifying, and testing the following procedures, processes, systems and control status:
 - Reviewing the development and approval process of the Report, including materiality aspect identification, related performance indicators, and other reporting information.
 - Reviewing the process regards to the collection, calculation, verification and reporting of the performance data of selected indicators.
 - Undertaking site visits for operation observation.

Conclusion

Based on the scope of our work and the assurance procedures we performed, nothing has come to our attention that causes us to believe the Report, for the year ended December 31st, 2014, is materially misstated and the disclosure content is in accordance with GRI G4 guidelines.

Deloitte & Touche
Taipei, Taiwan
June 22nd, 2015

* The above represents a translation, for convenience only, of the original Independent Limited Assurance Statement issued in the Chinese language.

Index of GRI G4 Indicators

GENERAL STANDARD DISCLOSURES

Standard Disclosure	Standard Disclosure Title	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
STRATEGY AND ANALYSIS					
G4-1	Statement from the most senior decision-maker of the organization about the relevance of sustainability to the organization and the organization's strategy for addressing sustainability.	Letter from the Chairman	5~6	F	92
G4-2	Provide a description of key impacts, risks, and opportunities.	Letter from the Chairman Risk Management Risks and Opportunities of Climate Change	5~6 29 31	F	92
ORGANIZATIONAL PROFILE					
G4-3	Name of the organization	ABOUT OUR COMPANY	9	F	92
G4-4	Primary brands, products, and services	Products and Services	11	F	92
G4-5	Location of the organization's headquarters.	ABOUT OUR COMPANY	9	F	92
G4-6	Number of countries where the organization operates, and names of countries where either the organization has significant operations or that are specifically relevant to the sustainability topics covered in the report.	Global Operation	10	F	92
G4-7	Nature of ownership and legal form	ABOUT OUR COMPANY	9	F	92
G4-8	Market served	Financial Performance Revenue Breakdown by Region	13	F	92
G4-9	Revenue Breakdown by Region	Financial Performance	13	F	92
G4-10	Scale of organization	Employee Recruitment & Structure	55	F	92

Standard Disclosure	Standard Disclosure Title	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-11	Percentage of total employees covered by collective bargaining agreements	Employee Communication – Labor Unions	62	F	92
G4-12	Describe the organization's supply chain	ASE Product Value Chain	9	F	92
G4-13	Significant changes during the reporting period	No significant change	-	F	92
G4-14	Report whether and how the precautionary approach or principle is addressed by the organization.	Risk Management	29	F	92
G4-15	List externally developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes or which it endorses.	Participation in External Organizations	22~23	F	92
G4-16	Memberships in associations	Participation in External Organizations	22~23	F	92
IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES					
G4-17	Report coverage of the entities in the consolidated financial statement	ABOUT OUR REPORTING The scope of the Report encompasses our principal manufacturing subsidiaries but not wholly-owned intermediate holding companies, internal trading companies and those companies without active operations.	3	F	92
G4-18	Process for defining the report content and the aspect boundary	Stakeholder Materiality Assessment	18	F	92
G4-19	List all the material Aspects identified in the process for defining report content.	Materiality Aspects and Boundaries	18~19	F	92
G4-20	For each material Aspect, report the Aspect Boundary within the organization.	Materiality Aspects and Boundaries	18~19	F	92
G4-21	For each material Aspect, report the Aspect Boundary outside the organization.	Materiality Aspects and Boundaries	18~19	F	92

Standard Disclosure	Standard Disclosure Title	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-22	Report the effect of any restatements of information provided in previous reports, and the reasons for such restatements.	In our 2013 CSR Report, we had erroneously stated (Page 18) that our Kaohsiung building K12 was awarded the "cleaner production" certificate. We are actually making continuous efforts to pass the "Cleaner Production Assessment" for K12 in 2015.	-	F	92
G4-23	Report significant changes from previous reporting periods in the Scope and Aspect Boundaries.	Materiality Aspects and Boundaries	18~19	F	92
STAKEHOLDER ENGAGEMENT					
G4-24	List of stakeholder groups engaged by the organization	Identification and Communication with Stakeholders	18	F	92
G4-25	Report the basis for identification and selection of stakeholders with whom to engage.	Identification and Communication with Stakeholders	18	F	92
G4-26	Approaches to stakeholder engagement	Communication Platforms	18	F	92
G4-27	Response to key topics and concerns raised	Results of Stakeholder Materiality Assessment	21	F	92
REPORT PROFILE					
G4-28	Reporting period	ABOUT OUR REPORTING	3	F	92
G4-29	Date of most recent previous report (if any)	The previous report was published in September 2014.	-	F	92
G4-30	Reporting cycle (such as annual, biennial)	We publish CSR Report annually.	-	F	92
G4-31	Contact point for questions	ABOUT OUR REPORTING	3	F	92
G4-32	"In accordance" option, the GRI content index and external assurance	ABOUT OUR REPORTING	3	F	92
G4-33	Policy and current practice regarding external assurance	ABOUT OUR REPORTING	3	F	92
GOVERNANCE					
G4-34	Governance structure	Managing Corporate Social Responsibility Governance Structure	7 24	F	92

Standard Disclosure	Standard Disclosure Title	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-35	Report the process for delegating authority for economic, environmental and social topics from the highest governance body to senior executives and other employees.	Managing Corporate Social Responsibility	7	F	92
G4-36	Report whether the organization has appointed an executive-level position or positions with responsibility for economic, environmental and social topics, and whether post holders report directly to the highest governance body.	Managing Corporate Social Responsibility	7	F	92
G4-38	Report the composition of the highest governance body and its committees	Governance Structure	24	F	92
G4-41	Report processes for the highest governance body to ensure conflicts of interest are avoided and managed. Report whether conflicts of interest are disclosed to stakeholders	Board of Directors	25	F	92
G4-42	Report the highest governance body's and senior executives' roles in the development, approval, and updating of the organization's purpose, value or mission statements, strategies, policies, and goals related to economic, environmental and social impacts.	Managing Corporate Social Responsibility Board of Directors – Governance of Sustainability Issues	7 25	F	92
G4-45	Report the highest governance body' role in the identification and management of economic, environmental and social impacts, risks, and opportunities.	Board of Directors – Governance of Sustainability Issues	25	F	92
ETHICS AND INTEGRITY					
G4-56	Values, principles, standards and norms of behavior such as codes of conduct and codes of ethics.	Code of Business Conducts and Ethics	27	F	92

SPECIFIC STANDARD DISCLOSURES

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
CATEGORY: ECONOMIC					
ASPECT: ECONOMIC PERFORMANCE					
G4-DMA	Generic Disclosures on Management Approach	Letter from the Chairman	5	F	92
G4-EC1	Direct economic value generated and distributed	Financial Performance	13	F	92
G4-EC2	Financial implications and other risks and opportunities for the organization's activities due to climate change	Risks and Opportunities of Climate Change	31	F	92
G4-EC4	Financial assistance received from government	ASE is entitled to tax incentive. Please refer to pages 64 of our English Annual Report.	-	F	92
ASPECT: PROCUREMENT PRACTICES					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92
G4-EC9	Proportion of spending on local suppliers at significant locations of operation	Supplier Management – Local Purchasing	67	F	92
CATEGORY: ENVIRONMENTAL					
ASPECT: ENERGY					
G4-DMA	Generic Disclosures on Management Approach	Energy Management and Conservation	37	F	92
G4-EN3	Energy consumption within the organization	Energy Management and Conservation	37~38	F	92
G4-EN5	Energy intensity	Externally Purchased Electricity	38	F	92
G4-EN6	Reduction of energy consumption	Overall Energy Conservation Results	39	F	92
ASPECT: WATER					
G4-DMA	Generic Disclosures on Management Approach	Water Resource Management	41	F	92
G4-EN8	Total water withdrawal by source	Water Resource Management	41	F	92
G4-EN10	Percentage and total volume of water recycled and reused	Water Resource Management	41	F	92

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
ASPECT: EMISSIONS					
G4-DMA	Generic Disclosures on Management Approach	Climate Change Management/Mitigation Air Pollution Control	31 48	F	92
G4-EN15	Direct greenhouse gas (GHG) emissions (Scope 1)	Greenhouse Gas Emissions	32	F	92
G4-EN16	Energy indirect greenhouse gas (GHG) emissions (Scope 2)	Greenhouse Gas Emissions	32	F	92
G4-EN18	Greenhouse gas (GHG) emissions intensity	Greenhouse Gas Emissions	32	F	92
G4-EN19	Reduction of greenhouse gas (GHG) emissions	Green Facility Overall Energy Conservation Results	33~34 39	F	92
G4-EN20	Emissions of ozone-depleting substances (ODS)	Air Pollution Control	48	F	92
G4-EN21	NO _x , SO _x , and other significant air emissions	Air Pollution Control	48	F	92
ASPECT: EFFLUENTS AND WASTE					
G4-DMA	Generic Disclosures on Management Approach	Pollution Prevention	44	F	92
G4-EN22	Total water discharge by quality and destination	Wastewater Management We discharge 6% of the treated wastewater directly into ocean and 94% into land (River and/or Underground).	44~46	F	92
G4-EN23	Total weight of waste by type and disposal method	Waste Management	47	F	92
G4-EN24	Total number and volume of significant spills	No significant spill in 2014.	-	F	92
ASPECT: PRODUCTS AND SERVICES					
G4-DMA	Generic Disclosures on Management Approach	Green Manufacturing	49	F	92
G4-EN28	Percentage of products sold and their packaging materials that are reclaimed by category	Green Packing Materials	51	F	92

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
ASPECT: COMPLIANCE					
G4-DMA	Generic Disclosures on Management Approach	Regulatory Compliance	28	F	92
G4-EN29	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with environmental laws and regulations	In 2014, we received 36 environmental-related Notices of Violation (NOVs), and the total fines was NT\$2.46 million.	-	F	92
ASPECT: OVERALL					
G4-DMA	Generic Disclosures on Management Approach	Environmental Expenditures	52	F	92
G4-EN31	Total environmental protection expenditures and investments by type	Environmental Expenditures	52	F	92
ASPECT: SUPPLIER ENVIRONMENTAL ASSESSMENT					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92
G4-EN32	Percentage of new suppliers that were screened using environmental criteria	New suppliers must pass our sustainability assessment which covers multi-aspects including environment, health and safety, energy management, risk management, human right and conflict minerals.	-	F	92
CATEGORY: SOCIAL					
SUB-CATEGORY: LABOR PRACTICES AND DECENT WORK					
ASPECT: EMPLOYMENT					
G4-DMA	Generic Disclosures on Management Approach	Employee Recruitment & Structure	56	F	92
G4-LA1	Total number and rates of new employee hires and employee turnover by age group, gender and region	Employee Recruitment & Structure – Workforce Structure	57	F	92

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-LA2	Benefits provided to full-time employees that are not provided to temporary or part-time employees, by significant locations of operation	Employee Welfare	60~61	F	92
G4-LA3	Return to work and retention rates after parental leave, by gender	Employee Welfare	60	F	92
ASPECT: LABOR/MANAGEMENT RELATIONS					
G4-DMA	Generic Disclosures on Management Approach	Employee Communication	63	F	92
G4-LA4	Minimum notice periods regarding operational changes, including whether these are specified in collective agreements	In cases where any major change in work conditions (such as a change in working location) is required of any employee, at least two weeks' notification and discussion is given to the employee.	-	F	92
ASPECT: OCCUPATIONAL HEALTH AND SAFETY					
G4-DMA	Generic Disclosures on Management Approach	Health and Safety	64	F	92
G4-LA6	Type of injury and rates of injury, occupational diseases, lost days, and absenteeism, and total number of work-related fatalities, by region and by gender	Health and Safety Appendix: ASE Health and Safety Data	64 91	F	92
G4-LA7	Workers with high incidence or high risk of diseases related to their occupation	Health and Safety – Medical Care	64	F	92
ASPECT: TRAINING AND EDUCATION					
G4-DMA	Generic Disclosures on Management Approach	Training and Development	62	F	92
G4-LA9	Average hours of training per year per employee by gender, and by employee category	Training and Development	62	F	92

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-LA10	Programs for skills management and lifelong learning that support the continued employability of employees and assist them in managing career endings	Employee Welfare Training and Development – Learning Program at ASE	60 62	F	92
G4-LA11	Percentage of employees receiving regular performance and career development reviews, by gender and by employee category	All of our employees received performance review.	-	F	92
ASPECT: DIVERSITY AND EQUAL OPPORTUNITY					
G4-DMA	Generic Disclosures on Management Approach	Employee Recruitment & Structure	56	F	92
G4-LA12	Composition of governance bodies and breakdown of employees per employee category according to gender, age group, minority group membership, and other indicators of diversity	Employee Recruitment & Structure (Our Board of Directors are all male, among whom 11% are under 50 years of age and 89% are over 50 years of age.)	57	F	92
ASPECT: EQUAL REMUNERATION FOR WOMEN AND MEN					
G4-DMA	Generic Disclosures on Management Approach	Employee Recruitment & Structure	56	F	92
G4-LA13	Ratio of basic salary and remuneration of women to men by employee category, by significant locations of operation	The ratio of the average basic salary of male over female in our global manufacturing facilities was 1.03 for direct staff and 1.05 for indirect staff.	-	F	92
ASPECT: EQUAL REMUNERATION FOR WOMEN AND MEN					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92
G4-LA14	Percentage of new suppliers that were screened using labor practices criteria	All new suppliers must pass our sustainability assessment which covers labor health and safety.	-	F	92
SUB-CATEGORY: HUMAN RIGHTS					
ASPECT: CHILD LABOR					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92

Standard Disclosure	Standard Disclosure	Related Section/Explanatory Notes	Page No.	Disclosure Level	External Assurance
G4-HR5	Operations and suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor	Supplier Management	66	F	92
ASPECT: FORCED OR COMPULSORY LABOR					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92
G4-HR6	Operations and suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor	Supplier Management	66	F	92
ASPECT: SUPPLIER HUMAN RIGHTS ASSESSMENT					
G4-DMA	Generic Disclosures on Management Approach	Supplier Management	66	F	92
G4-HR10	Percentage of new suppliers that were screened using human rights criteria	All new suppliers must pass our sustainability assessment which covers human right.	-	F	92
SUB-CATEGORY: SOCIETY					
ASPECT: LOCAL COMMUNITIES					
G4-DMA	Generic Disclosures on Management Approach	SOCIAL INVOLVEMENT	74	F	92
G4-SO1	Percentage of operations with implemented local community engagement, impact assessments, and development programs	SOCIAL INVOLVEMENT	75	F	92
ASPECT: COMPLIANCE					
G4-DMA	Generic Disclosures on Management Approach	Regulatory Compliance	28	F	92
G4-SO8	Monetary value of significant fines and total number of non-monetary sanctions for non-compliance with laws and regulations	No noncompliance with laws and regulations except environmental-related Notices of Violation (NOVs).	-	F	92

Disclosure level - F = Fully disclosed; P= Partially disclosed

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